



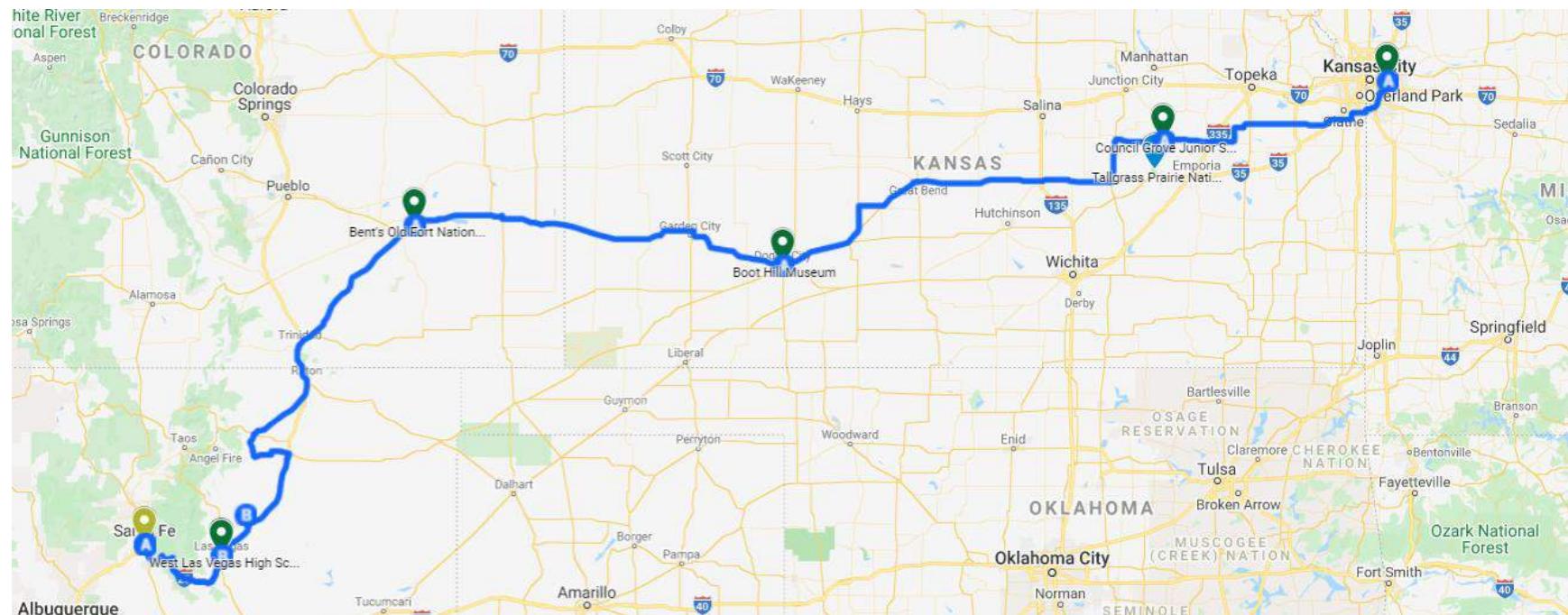
2021 ROUTE BOOK

Santa Fe Trail
Independence, MO – Las Vegas, NM
August 3-7, 2021

TABLE OF CONTENTS

Route & Schedule Overview	2
Introduction & Key	3
Display Day Map	4
STAGE 1	
Stage 1 Overview	5
Segment A / Base Leg: Independence, MO – Council Grove, KS	7
Segment B / Base Leg: Council Grove, KS – McPherson, KS	27
Segment B / Optional Loop: McPherson Loop	39
STAGE 2	
Stage 2 Overview	45
Segment C / Base Leg: McPherson, KS – Dodge City, KS	47
Segment D / Base Leg: Dodge City, KS – La Junta, CO	65
Segment D / Optional Loop: La Junta Loop	85
Segment E / Base Leg: La Junta, CO – Las Vegas, NM	91
Segment E / Optional Loop: Las Vegas Loop	117
STAGE 3	
Stage 3 Overview	123
Segment F / Base Leg: Las Vegas, NM – Santa Fe, NM – Las Vegas, NM	125

ASC 2021 ROUTE & SCHEDULE OVERVIEW



- DISPLAY DAY -

August 2

- Display in Independence, MO

- STAGE 1 -

August 3

- Start in Independence, MO
- Checkpoint in Council Grove KS
- Stage Stop in McPherson, KS
- McPherson Loop (optional)

- STAGE 2 -

August 4

- Stage Start in McPherson, KS
- Checkpoint in Dodge City, KS
- Checkpoint in La Junta, CO
- La Junta Loop (optional)

August 5

- Checkpoint in La Junta, CO (cont)
- La Junta Loop (optional)

August 6

- Stage Stop in Las Vegas, NM
- Las Vegas Loop (optional)

- STAGE 3 -

August 7

- Stage Start in Las Vegas, NM
- Loop out to Santa Fe, NM
- Finish in Las Vegas, NM





This Route Book contains the ASC 2021 route steps, which define the official course from Independence, MO to Las Vegas, NM. Should changes to the route become necessary (due to construction or otherwise), please follow the updated route steps as given by the stage/checkpoint crews.

The Major Turns/Instructions column lists all directions necessary for following the route. Mileages given in the Trip and Int (interval) columns are not precise to the hundredth of a mile. A distance of 0.25 should be interpreted as "between 0.2 and 0.3 miles."

Other data is provided for additional reference. Please note that not all traffic lights, changes in lanes, speed limit or shoulder condition, or available services are listed. In completing the course, all traffic laws must be obeyed at all times.

When you reach the end of a segment, watch for a flag person to direct you in the checkpoint/stage stop area. Proceed under the direction of the checkpoint/stage point crew.

Have a safe trip!

- ASC Staff

KEY FOR ASC 2021 ROUTE BOOK

Description of Route Book Columns

Step	Alphabetical lettering of segments and numerical ordering of steps; allows easy reference for communicating your location along the route Note: please use step letter/number when informing staff of your location.
Trip	The cumulative number of miles completed within each section
Int (Interval)	The approximate mileage from the previous step to the current step
Major Turns/Instructions	All turns and key instructions for following the route
Landmarks/Notes	Key landmarks to identify your location on the route and other helpful guidance for completing the route
Ln (Lane)	Number of driving lanes in your direction of travel
Spd (Speed)	Speed limit (mph) Note: all changes in speed limits are NOT necessarily recorded. Regardless of if a speed limit is recorded in the route book, all posted speed limits must be followed. Where the posted speed limit is over 65 mph, the ASC maximum speed limit is still 65 mph.
Shoulder	General assessment of shoulder conditions, which may vary
Services	Known services available at time of last route drive

General Abbreviations

Jct	Junction
RR	Railroad
SL	Stop Light
CR	County Road
Hwy	Highway

State Abbreviations

MO	Missouri
KS	Kansas
CO	Colorado
NM	New Mexico

Common Highway Signs



DISPLAY DAY

Solar Car Display: Parking lot at Liberty St & Maple Ave (entrance on Liberty St, next to Pharaoh Cinema)
Meetings: Independence Uptown Farmers Market, 211 W Truman Rd, Independence, MO 64050



STAGE 1

2021 AMERICAN SOLAR CHALLENGE

Independence, MO – McPherson, KS
August 3

Time Zone	Central Time (24 Hour Format)		
Stage Start	Independence Square (Historic Truman Courthouse) 112 W Lexington Ave, Independence, MO 64050	Nominal Start Time	9:00, August 3
Checkpoint	Council Grove Junior-Senior High School 129 Hockaday St, Council Grove, KS 66846 Mandatory Hold Time: 45 Minutes	Open Time Driving Resumption Time Close Time	12:00, August 3 14:00, August 3 14:45, August 3
Stage Finish	Midway Motors 2045 E Kansas Ave, McPherson, KS 67460	Nominal Close Time	18:00, August 3
Optional Loop	McPherson Loop		

STAGE 1 ROUTE OVERVIEW



Segment A	Base Leg A	Independence, MO – Council Grove, KS	139.7	miles
Segment B	Base Leg B	Council Grove, KS – McPherson, KS	82.5	miles
	Optional Loop BL	McPherson Loop	21.9	miles

STAGE 1

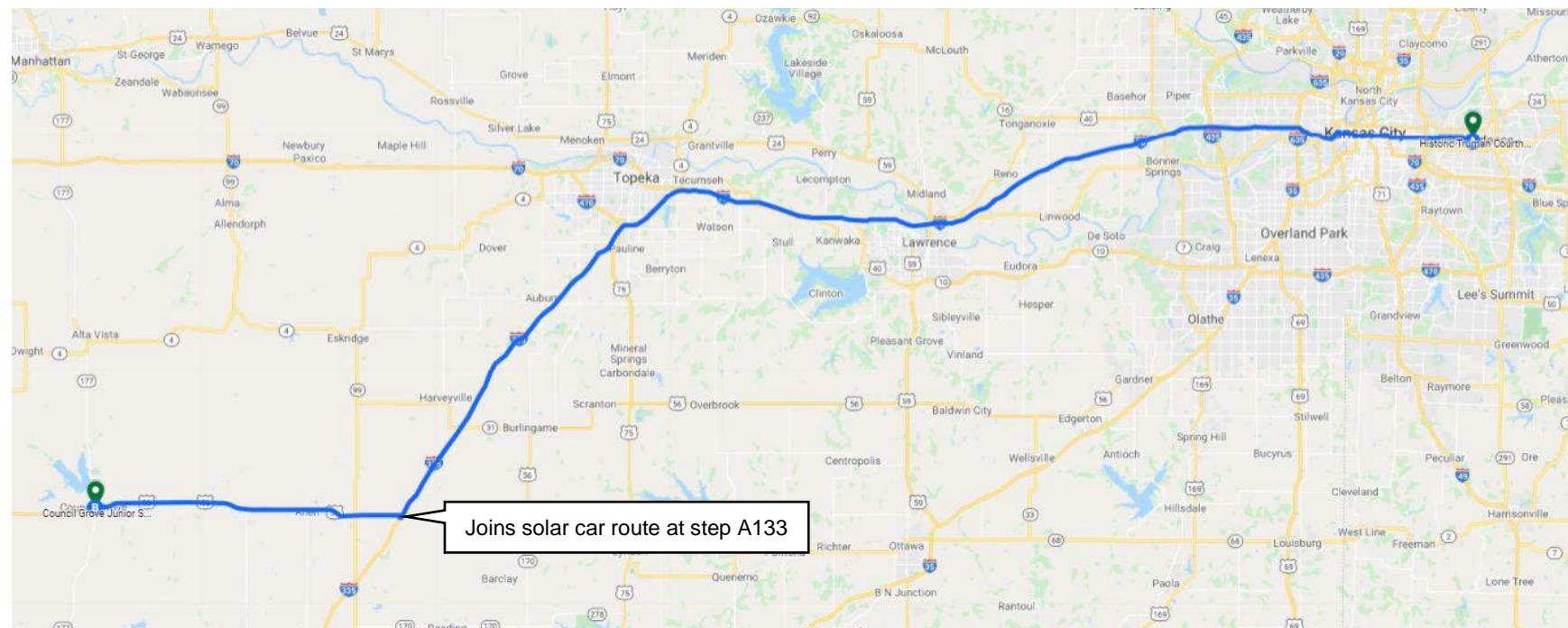
SEGMENT A

AMERICAN SOLAR CHALLENGE 2021

Independence, MO – Council Grove, KS

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Note: this route has tolls.

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	Head south on S Liberty St toward W Walnut St	
16 ft	Turn right at the 1st cross street onto W Walnut St	
0.8 mi	Turn right onto S Crysler Ave	
0.25 mi	Turn left onto W Truman Rd	
5.52 mi	Continue straight onto E Truman Rd	
0.5 mi	Turn right to merge onto I-70 W	
1.45 mi	Keep left at the fork to continue on I-670 W, follow signs for I-70 Alt/I-35 S/Topeka/Wichita	
1.09 mi	Keep left to stay on I-670 W, Entering Kansas	
1.50 mi	Take the exit on the left onto I-70 W	
2.92 mi	Keep left to stay on I-70 W Toll road	
52.0 mi	Keep left at the fork to continue on I-470 W, follow signs for Interstate 335 S/South Topeka/Wichita Toll road	
6.65 mi	Continue onto I-335 S Toll road	
30.3 mi	Take exit 147 for US-56 toward Council Grove/Osage City Toll road	
0.3 mi	Turn left onto US-56 W	Join solar car route at step A133, follow route to Council Grove
25.0 mi	Turn left onto S Neosho St	
1,201 ft	Turn left into Support Parking at Council Grove Jr-Sr High School	Go past the checkpoint and park in the support vehicle parking area

Approx. 129 miles (2 hr, 7 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

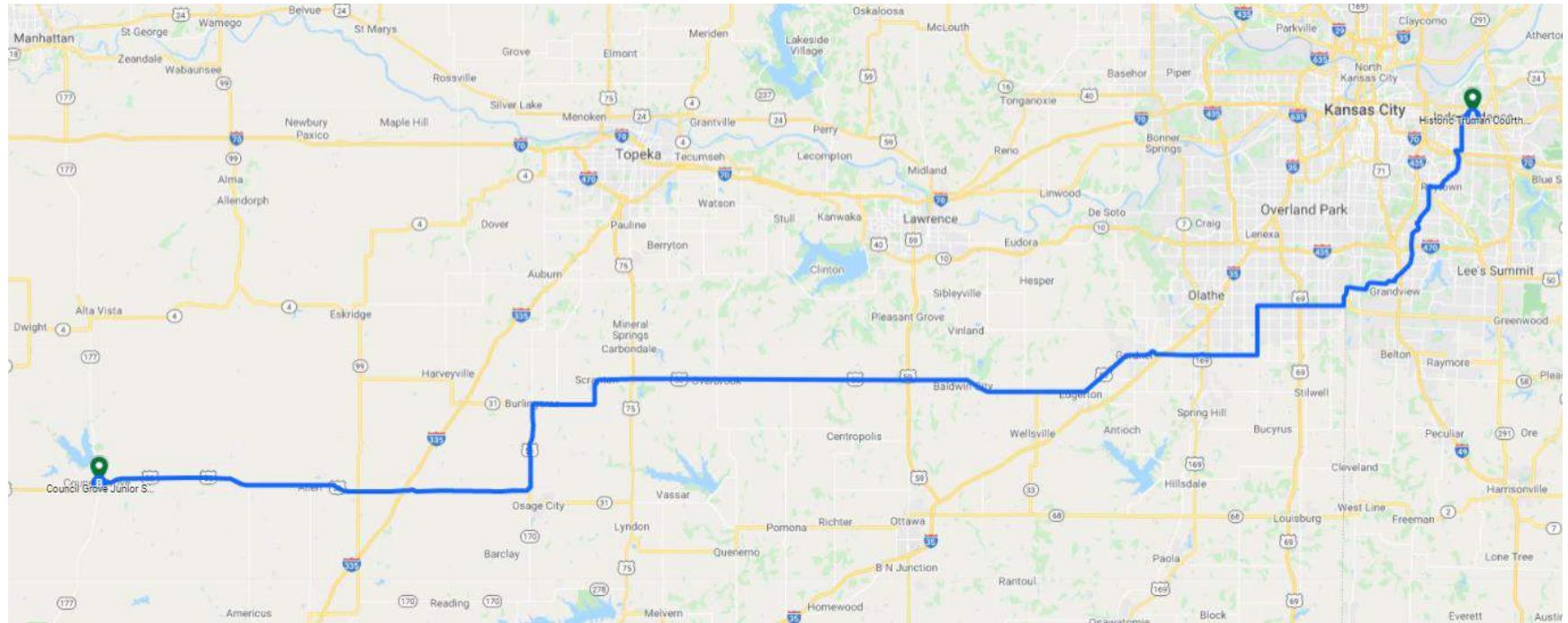


Independence Square – Independence, MO – Start Line



SOLAR CAR ROUTE OVERVIEW

INDEPENDENCE, MO – COUNCIL GROVE, KS



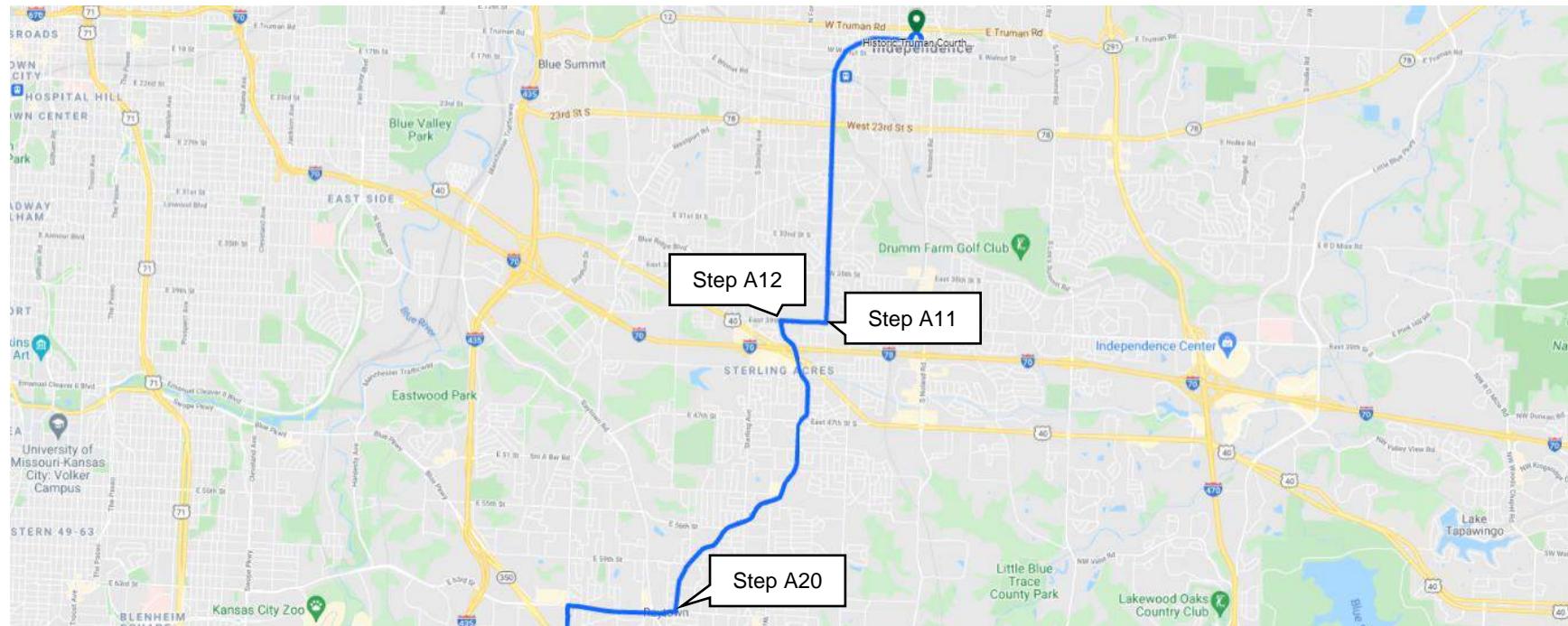
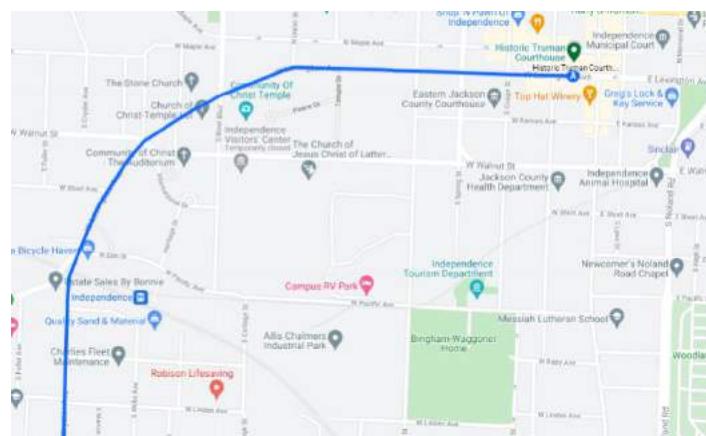
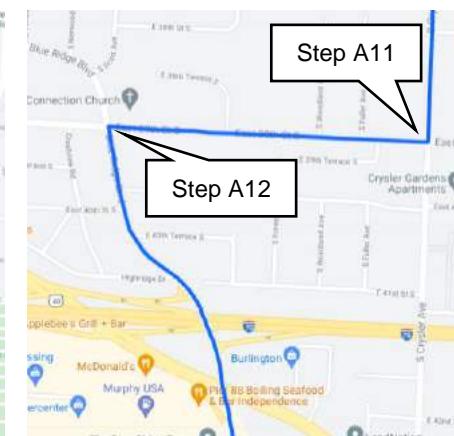
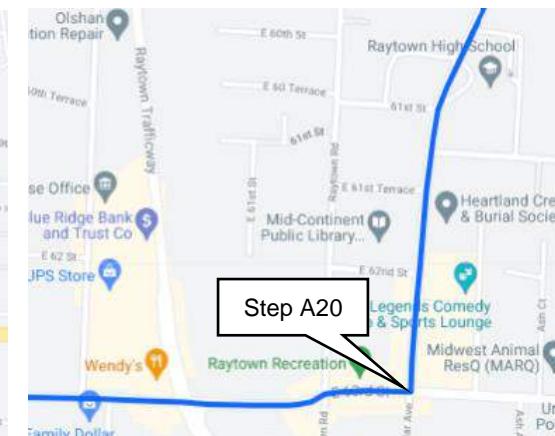
INDEPENDENCE, MO – COUNCIL GROVE, KS BASE LEG A

START:
Independence Square (Historic Truman Courthouse)
112 W Lexington Ave, Independence, MO 64050

CHECKPOINT:
Council Grove Junior-Senior High School
129 Hockaday St, Council Grove, KS 66846

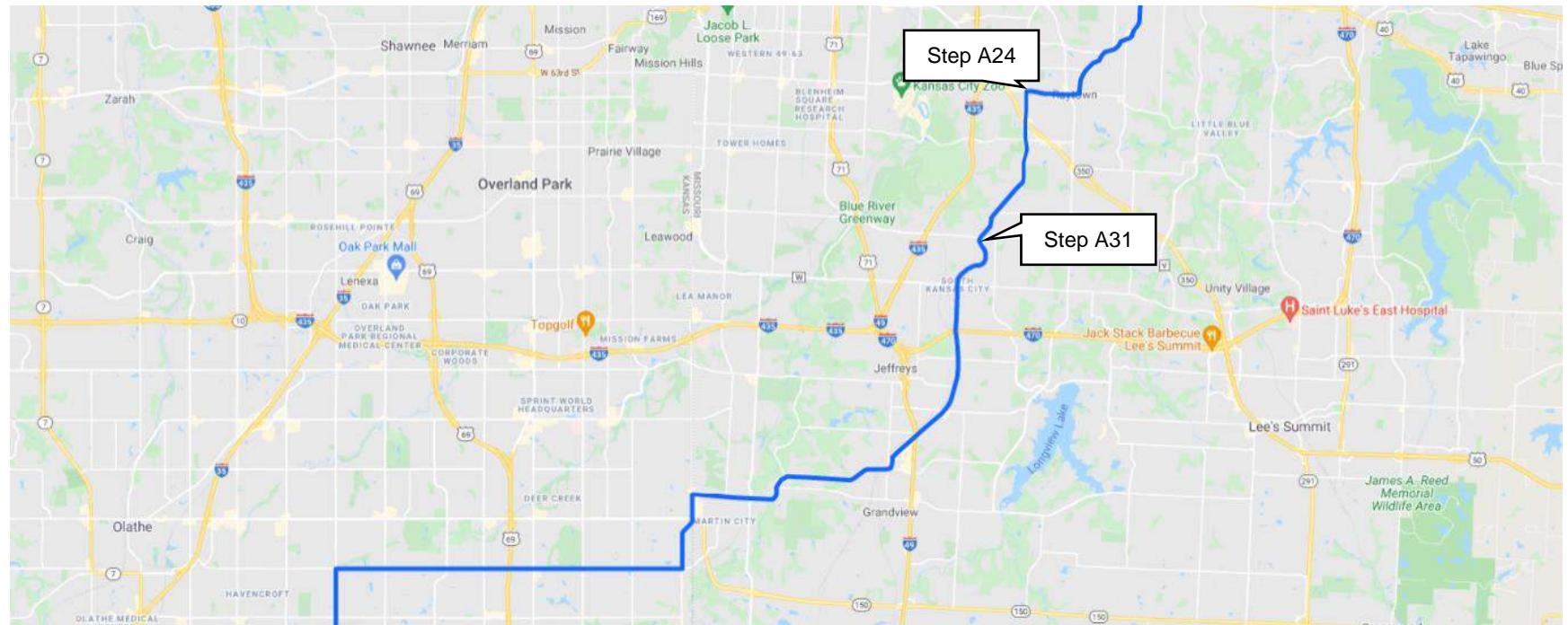


INDEPENDENCE, MO – COUNCIL GROVE, KS

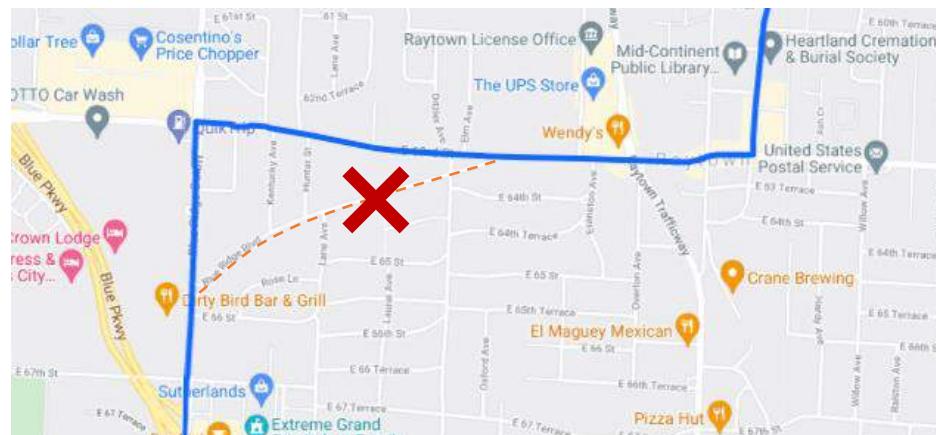
**Steps A1-A7****Steps A11-A12****Steps A19-A22**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 1	0.00		HEAD WEST at STOP SIGN on Lexington Ave at Liberty Street		1	20	parking	
A 2	0.05	0.05		Stop Sign (All-Way) for N Osage St (left lane straight, right lane turns)	1	20	parking	
A 3	0.10	0.05		Stop Sign (All-Way) for S Spring St	1		parking	
A 4	0.20	0.10		Stop Sign (All-Way) for N Pleasant St	1		parking	
A 5	0.50	0.30		Stop sign (All-Way, flashing red) for N River Blvd, Community Temple on left	1			
A 6	0.70	0.20		SL for W Walnut St	1			
A 7	1.00	0.30	CONTINUE STRAIGHT on S Crysler Ave	SL for Lexington Ave, temporarily gain 2 lanes, right lane ends after light	1	30	parking	
A 8	1.50	0.50		SL for W 23rd St, right lane is turn only	1			fuel
A 9	1.60	0.10			1	35	curb	
A 10	3.00	1.40		SL for 35th St	1	35	curb	
A 11	3.50	0.50	TURN RIGHT at SL onto 39th St (no turn on red!)	Follow signs for the Santa Fe NHT	1	35	grass	
A 12	3.90	0.40	TURN LEFT at flashing red light & STOP SIGN onto Blue Ridge Blvd	Follow signs for the Santa Fe NHT	1			
A 13	4.20	0.30		Cross over I-70				fuel
A 14	4.50	0.30		SL for 43rd St, "NHT Original Route Segment Begins" after light	1	35	gravel	fuel
A 15	5.10	0.60		SL for 47th St, Santa Fe NHT sign				food
A 16	5.60	0.50		SL for 51st St, Entering Raytown				fuel
A 17	6.00	0.40		SL for Woodson Rd/Santa Fe Trail of 1849	1	35	curb	
A 18	6.40	0.40		SL for Sterling Ave, NHT Original Route sign	1	35	curb	
A 19	7.10	0.70		SL for 59th St, NHT Original Route sign	2	30	curb	
A 20	7.60	0.50	TURN RIGHT at the SL for 63rd St, with NHT Original Route sign		1	25	parking	
A 21	7.70	0.10		SL for Raytown Rd				

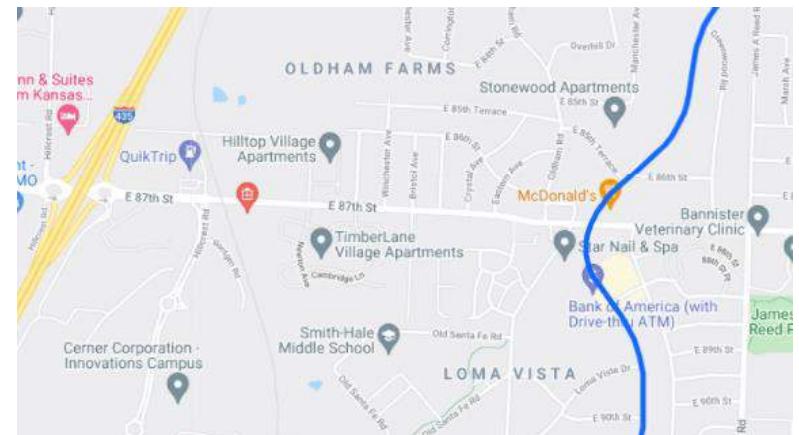
INDEPENDENCE, MO – COUNCIL GROVE, KS



Steps A22-A26

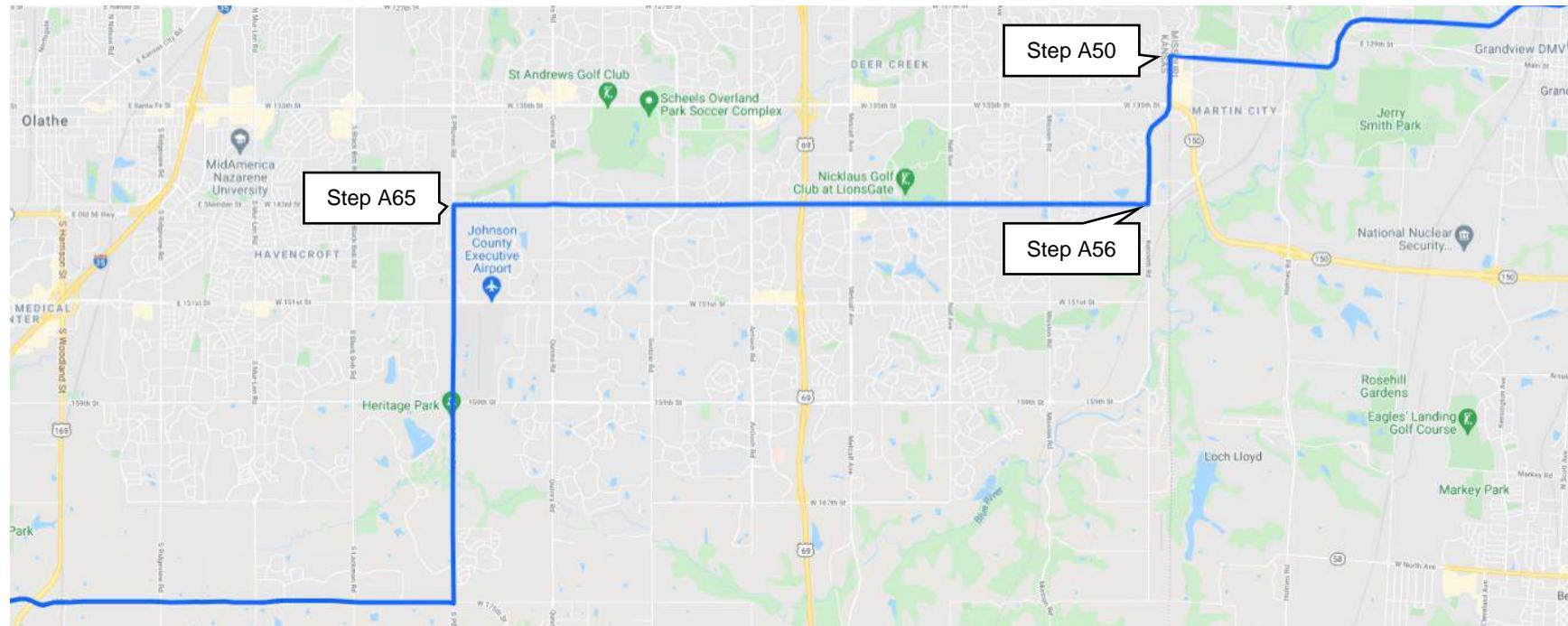


Step A31

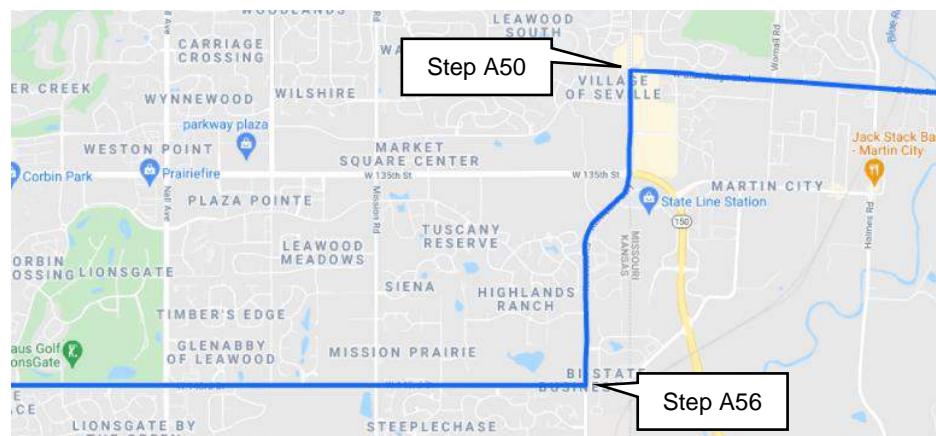


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 22	7.90	0.20		SL for Raytown Trafficway (light changes quickly)	2	30	curb	food
A 23	8.20	0.30	CONTINUE STRAIGHT at Elm St	DO NOT follow NHT Original Route sign turning left				
A 24	8.70	0.50	TURN LEFT at SL onto Blue Ridge Cutoff		2	40	curb	fuel
A 25	9.10	0.40	CONTINUE STRAIGHT on Blue Ridge Blvd at 66th	Back on NHT Original Route				
A 26	9.20	0.10		SL for 67th	2	40	curb	food
A 27	9.70	0.50		SL for Gregory Blvd, signs for Cave Springs and William M. Klein Park on right, follow Santa Fe Trail Original Route	2	40	curb	
A 28	10.10	0.40		Entering Kansas City				
A 29	10.70	0.60		SL for 79th St, Santa Fe NHT sign after light	2	40	curb	
A 30	11.30	0.60		SL for James A Reed Rd				
A 31	12.00	0.70	CONTINUE STRAIGHT to follow Blue Ridge Blvd	SL for 87th St, Santa Fe NHT original route diverges right	2		curb	
A 32	13.30	1.30		SL for Bannister Rd	2	40	curb	fuel, food
A 33	13.80	0.50		SL for 99th St				
A 34	14.20	0.40		Two SLs for junction with I-470 and US-50 underpass				
A 35	14.80	0.60		SL for 107th St	2	40	curb	fuel
A 36	15.40	0.60		SL for Red Bridge Rd/111th St	2	40	curb	
A 37	15.90	0.50		SL for Longview Rd	2		curb	food
A 38	16.60	0.70		2 SLs for jct with I-49 and US-71				
A 39	16.70	0.10			2	35	curb	
A 40	17.00	0.30		SL for Truman's Marketplace St				All
A 41	17.50	0.50		SL for Harry Truman Dr	2	35	curb	fuel, food
A 42	17.60	0.10		SL for Grandview Rd, right lane ends ahead	1	35	curb	

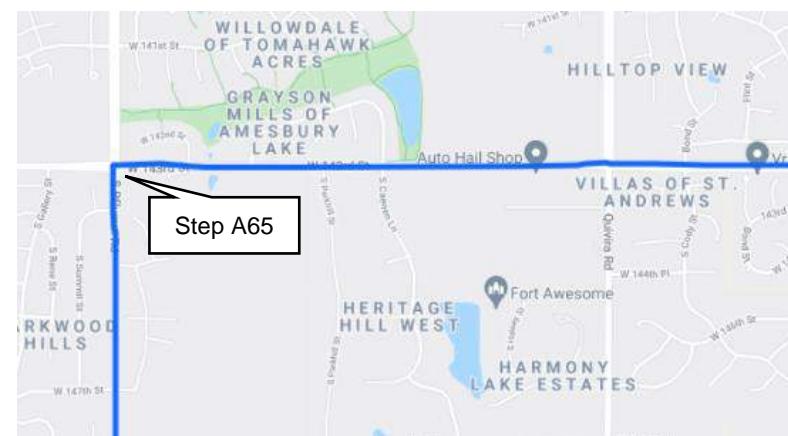
INDEPENDENCE, MO – COUNCIL GROVE, KS



Steps A50-A58

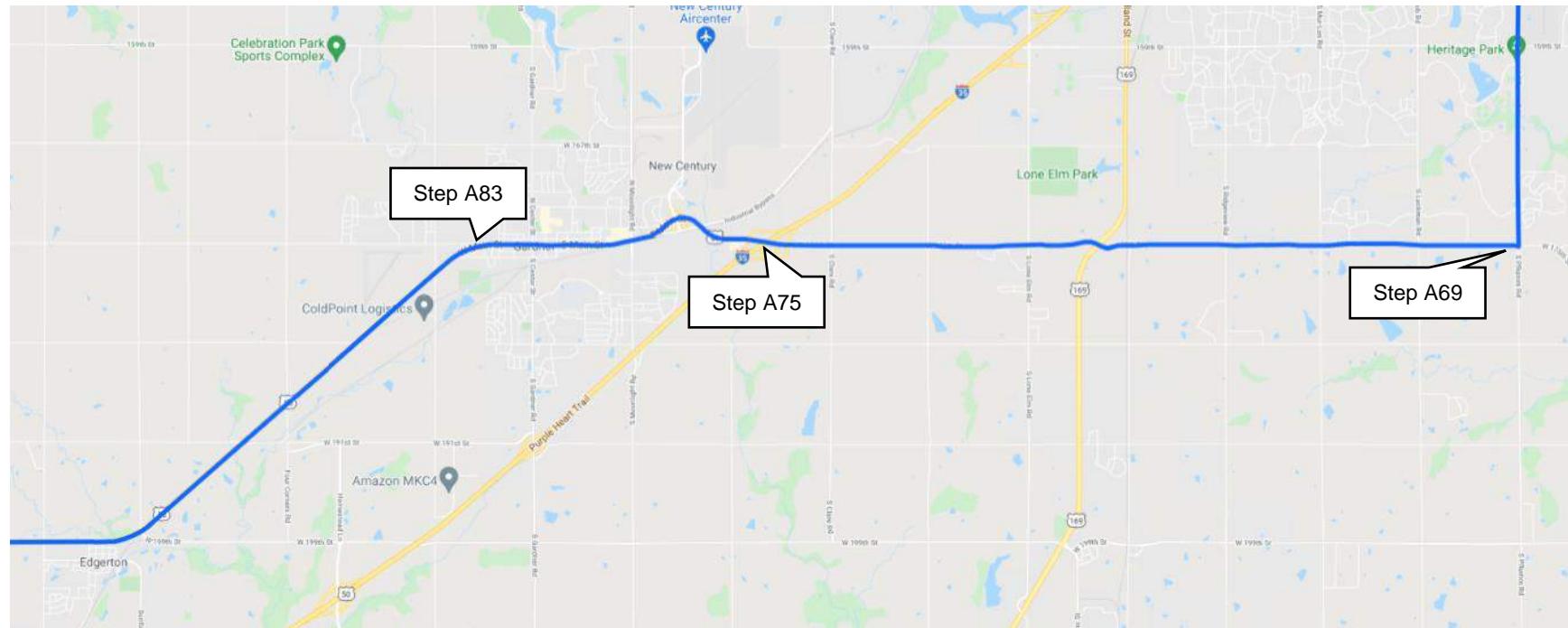


Steps A64-A65

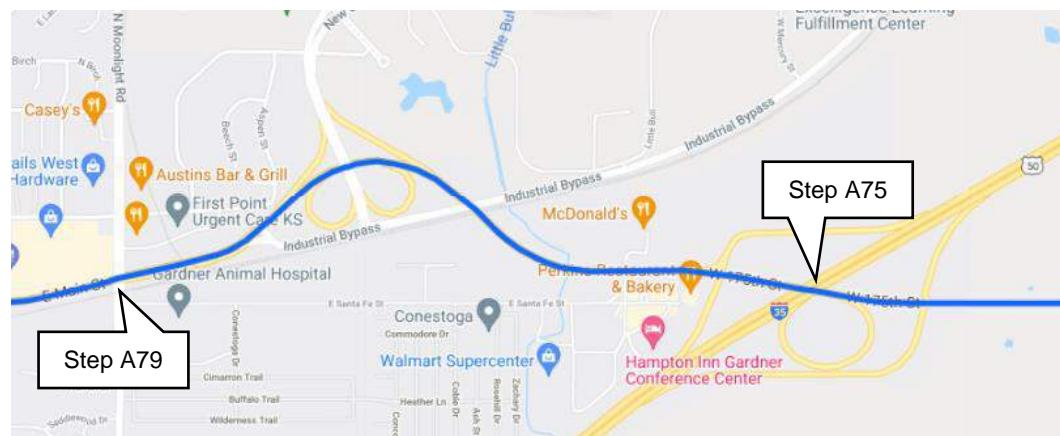


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 43	18.30	0.70			1	45	grass	
A 44	19.50	1.20			1	40		
A 45	19.70	0.20		Parking area on right with bathroom	1	40	gravel	
A 46	20.10	0.40		Parking area on right with bathroom	1	40		
A 47	20.80	0.70		SL for Holmes Rd	1	40	curb	fuel
A 48	21.30	0.50		SL for Wornall Rd	1	40	grass	
A 49	21.40	0.10			2	40	curb	
A 50	22.00	0.60	TURN LEFT at SL onto State Line Rd	Entering Kansas	2	40	curb	fuel
A 51	22.10	0.10		SL for W 133 St				Hospital
A 52	22.20	0.10		SL for E 133 St, shopping center on left				
A 53	22.40	0.20	CONTINUE STRAIGHT on Kenneth Rd, signs for local tour route to right	SL for 135th St				
A 54	22.60	0.20		SL for 136th St				
A 55	22.80	0.20	MERGE LEFT, right lane is turn only		1	40	curb	
A 56	23.50	0.70	TURN RIGHT at SL onto 143rd St		2	35	curb	
A 57	24.50	1.00		SL Mission St	2	35	curb	
A 58	25.50	1.00		SL for Nall Ave	2	45	curb	
A 59	26.30	0.80		SL Lamar Ave	2	45	curb	
A 60	26.50	0.20		SL for Metcalf Ave, DO NOT follow local tour	2	45	curb	
A 61	26.80	0.30		SL for Newton	2	45	curb	
A 62	27.50	0.70		SL for Antioch Rd	2	45	curb	
A 63	28.30	0.80		SL for Switzer Rd, right lane ends ahead	2	45	curb	
A 64	29.50	1.20		SL for Quivira Rd	1	40	curb	
A 65	30.50	1.00	TURN LEFT at SL for S Pflumm Rd		1	40	curb	
A 66	31.60	1.10		SL for 151st St, right lane ends after light	2	45	none	fuel
A 67	32.50	0.90	STRAIGHT at ROUNDABOUT for 159th St				none	

INDEPENDENCE, MO – COUNCIL GROVE, KS



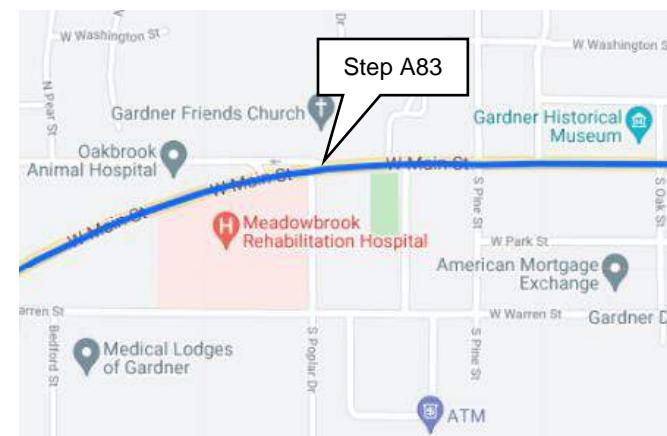
Steps A75-A79



Step A79

Step A75

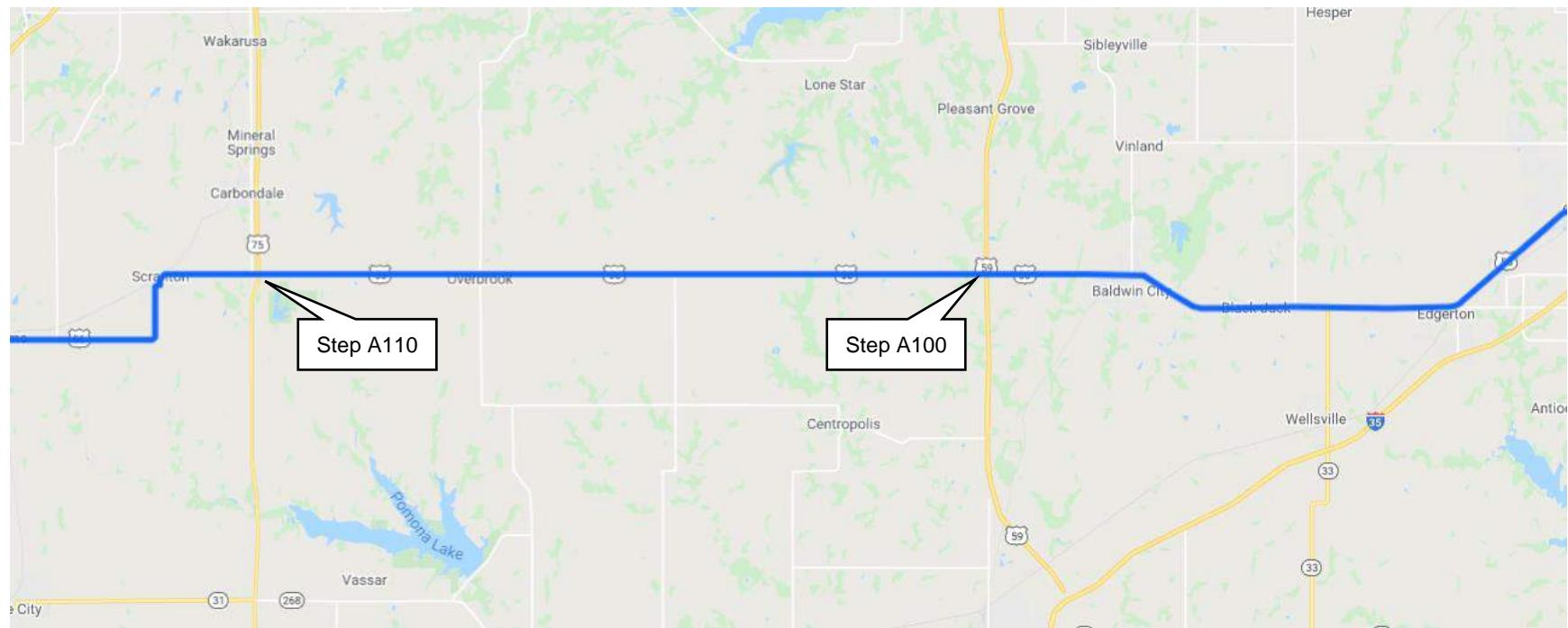
Step A83



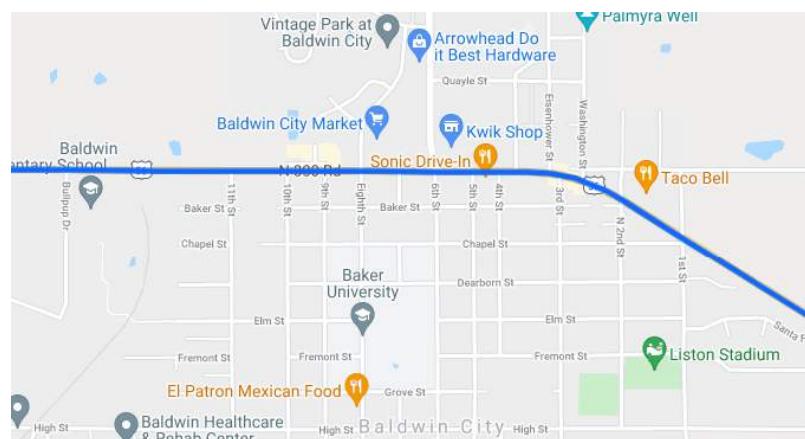
Step A83

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 68	32.80	0.30		Heritage Park on right	1		none	
A 69	34.60	1.80	TURN RIGHT at STOP SIGN onto 175th St		1	50	paved	
A 70	38.60	4.00		RR Tracks (reduced speed for tracks)	1	30		
A 71	38.80	0.20		SL for US-169	1	50	paved	
A 72	39.60	0.80		SL for Lone Elm Rd	1	50	paved	
A 73	40.30	0.70		Sign Santa Fe Trail crossed here	1	50	paved	
A 74	41.60	1.30	CONTINUE STRAIGHT at Clare Rd	Sign for NHT local tour to right				
A 75	42.20	0.60	CONTINUE STRAIGHT on 175th St/US-56/Main St Follow US-56 to Council Grove	Cross over I-35/US-50, Entering Gardner	2	50		All
A 76	42.60	0.40		SL for Cedar Niles, Santa Fe Trail Auto Tour Route sign				fuel, food
A 77	43.40	0.80		SL for Old 56 Hwy	2	40	paved	
A 78	43.60	0.20		RR Tracks, rough (go slow!)				
A 79	43.70	0.10		SL for Moonlight Rd	2	40	curb	
A 80	44.40	0.70		SL for Mulberry St	2	35	curb	
A 81	44.60	0.20		SL for Elm St, Gardner City Hall at right ahead	2	30	curb	
A 82	44.70	0.10		SL for Center St	2	35	curb	
A 83	45.20	0.50	FOLLOW CURVE TO THE LEFT to stay on US-56/Main St	Right lane ends ahead	2	45	curb	
A 84	45.60	0.40		"Council Grove 92 miles"	1			
A 85	45.80	0.20			1	50		
A 86	45.90	0.10			1	60	grass	
A 87	46.90	1.00		Historic marker on right / Gardner Junction Park	1	60	grass	
A 88	49.60	2.70				45		
A 89	49.80	0.20		Entering Edgerton		45		fuel, food
A 90	50.80	1.00				60		
A 91	53.80	3.00		KS-33 turnoff on left	1	60	grass	

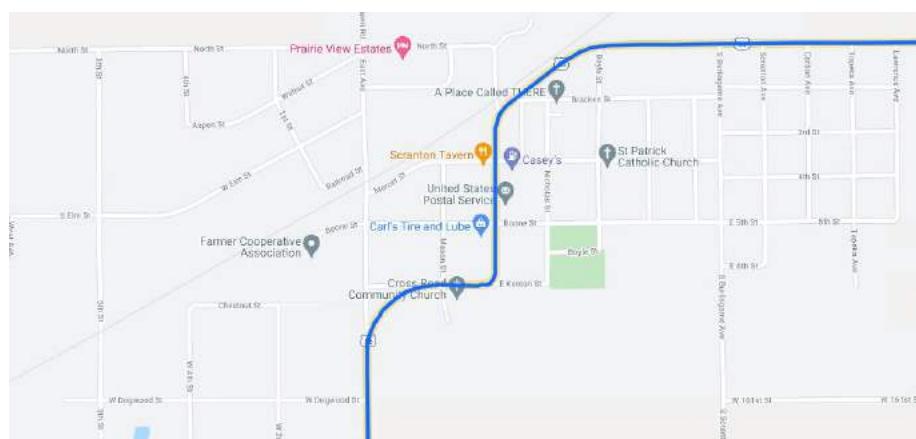
INDEPENDENCE, MO – COUNCIL GROVE, KS



Baldwin City Detail

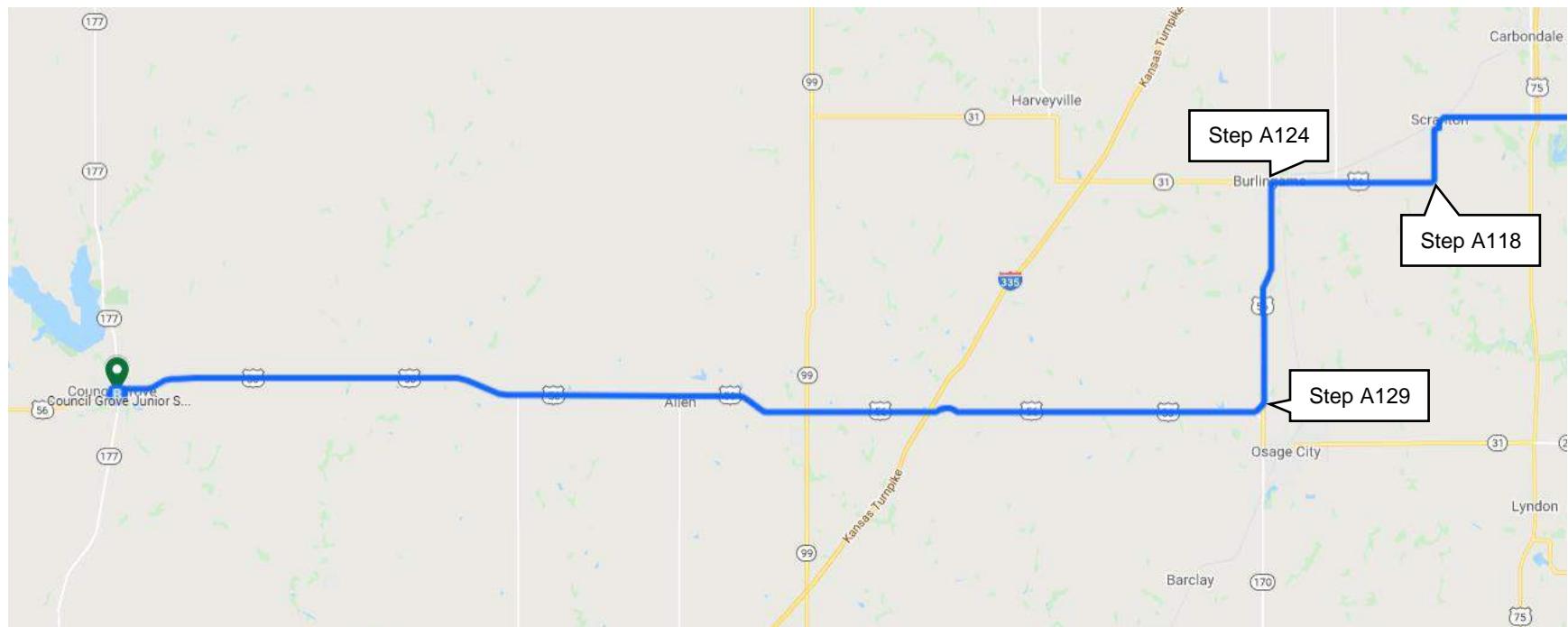


Scranton Detail

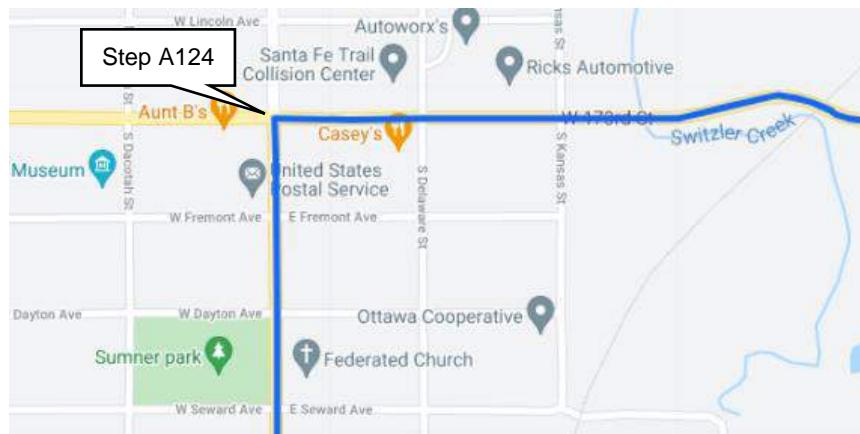


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 92	55.20	1.40	Continue to follow US-56 West	Santa Fe NHT Auto Tour sign	1	60	grass	
A 93	56.80	1.60		Santa Fe NHT marker on left, Black Jack Park (SFT ruts)				
A 94	59.00	2.20				55		
A 95	59.70	0.70		Entering Baldwin City		45		food
A 96	59.90	0.20				35		fuel, food
A 97	60.00	0.10		SL for 6th St				fuel
A 98	60.50	0.50				55		
A 99	61.40	0.90			1	60	mixed	
A 100	64.40	3.00		Cross under US-59, "Council Grove 74 miles"				
A 101	67.90	3.50		Entering Worden				
A 102	71.50	3.60		CR 1029, Lone Star Park & Clinton Lake Wildlife Area turnoff	1	60	none	
A 103	75.40	3.90		Jct CR1023	1			
A 104	79.50	4.10		Entering Overbrook		45		fuel, food
A 105	79.90	0.40				35		
A 106	80.30	0.40				45		
A 107	80.50	0.20		"Council Grove 58 miles" sign		60		
A 108	85.00	4.50		Santa Fe Trail High School on left, California Rd	1	60	none	
A 109	86.00	1.00		Osage State Fishing Lake turnoff on left				
A 110	86.80	0.80		Cross under US-75	2	45		
A 111	87.40	0.60		Santa Fe Trail NHT sign	1	60	grass	
A 112	89.30	1.90	Continue to follow US-56 West as it curves through town	Entering Scranton		45		fuel
A 113	89.40	0.10			1	35		
A 114	89.80	0.40				25		
A 115	90.20	0.40				35		
A 116	90.40	0.20		Dogwood Rd	1	45		

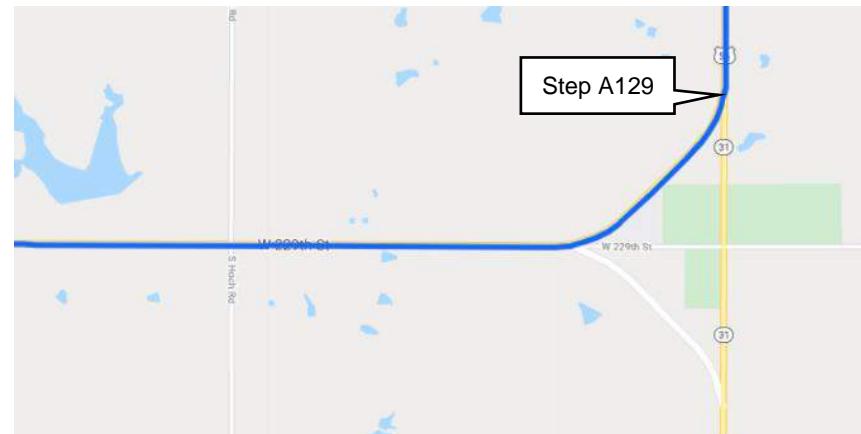
INDEPENDENCE, MO – COUNCIL GROVE, KS



Steps A124-A125

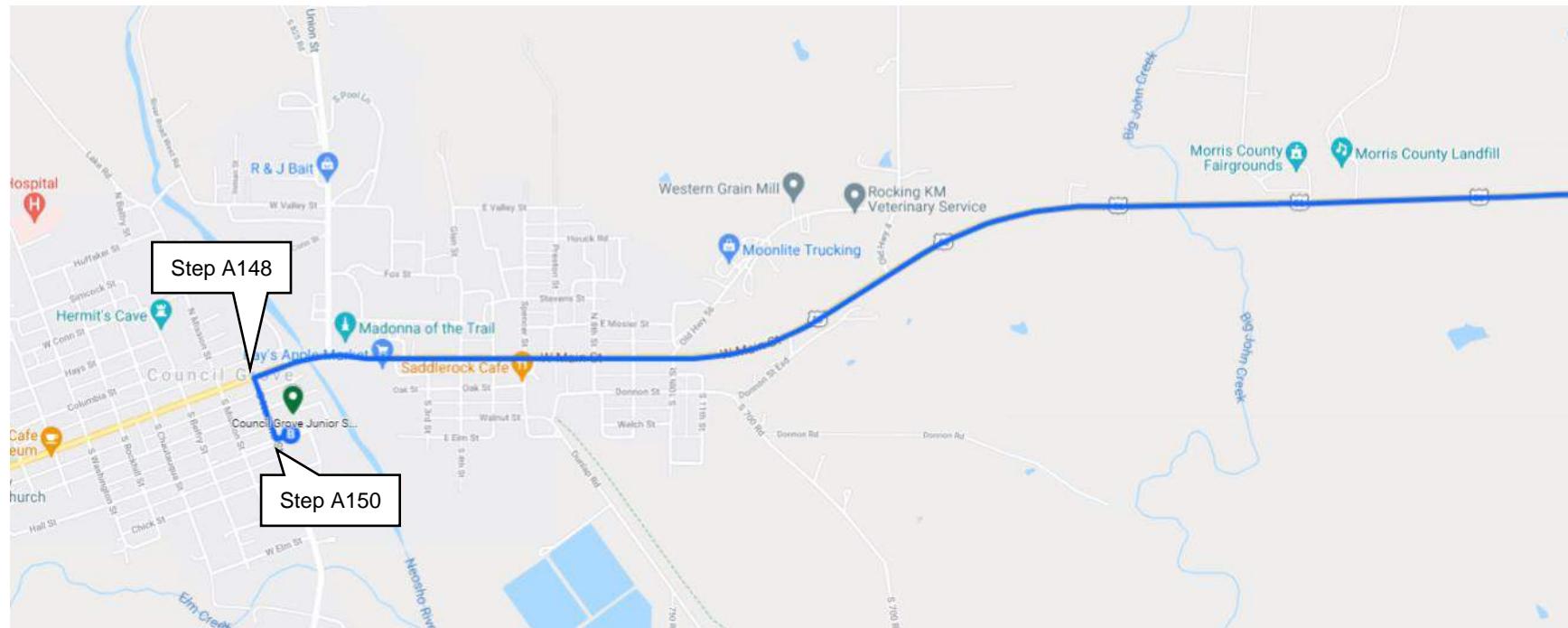


Steps A129-A130



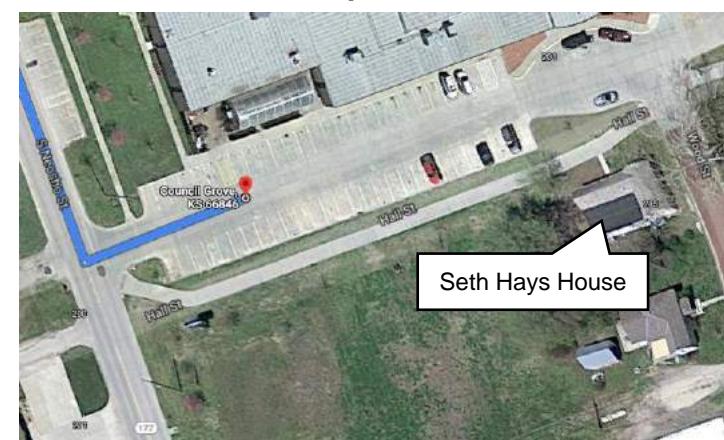
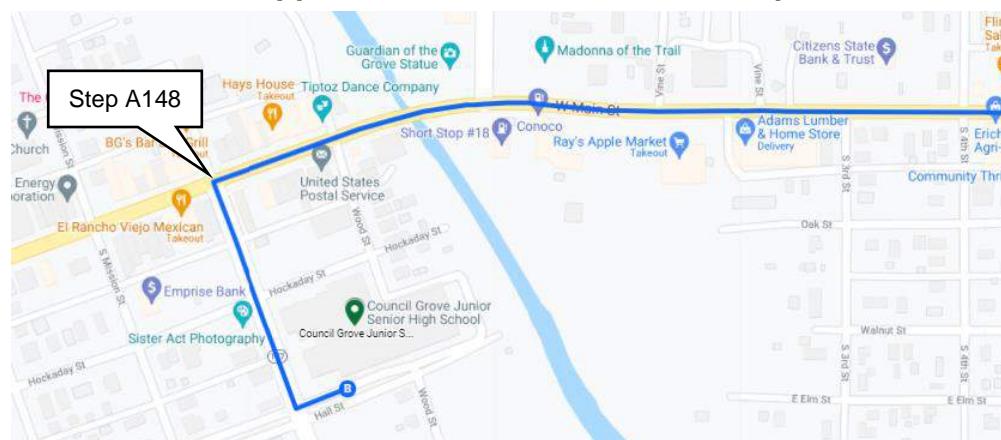
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 117	90.90	0.50		Hickory/165th St	1	60	grass	
A 118	92.00	1.10	FOLLOW RIGHT CURVE of US-56 West at Fairlawn Rd		1	60		
A 119	94.80	2.80		Indian Hills Rd				
A 120	95.90	1.10				50		
A 121	96.20	0.30				30		
A 122	96.30	0.10		Entering Burlingame				
A 123	96.60	0.30				20		
A 124	96.90	0.30	TURN LEFT at STOP SIGN (All-Way) to follow US-56W/KS-31S	Brick road!				fuel
A 125	97.10	0.20		Sumner Park on right (pull-off area)	1	30	curb	
A 126	97.50	0.40		"Council Grove 41 miles"	1	45	gravel	
A 127	97.70	0.20				60		
A 128	100.00	2.30		Cross Dragoon Creek	1	60	gravel	
A 129	103.80	3.80	EXIT/CURVE RIGHT to follow US-56 West/229 th St toward Council Grove	KS-31 continues straight	1	60		
A 130	108.00	4.20		Rapp School on right	1	60		
A 131	108.90	0.90	CONTINUE on US-56 West/Rd340	Crawford Rd turnoff on right, cross Salt Creek (no sign)	1	60		
A 132	112.10	3.20		KS-78 turnoff on left				
A 133	114.20	2.10		Cross under I-335/Kansas Turnpike				
A 134	117.90	3.70		Jct KS-99	1	60		
A 135	121.00	3.10		Northern Heights High School on right				
A 136	121.90	0.90		Entering Allen	1	60		
A 137	127.00	5.10		Rd F, turnoffs for "Bushong 1 mile" and "Americus 10 mile"				
A 138	132.00	5.00		Rd A, Morris County Line				
A 139	132.30	0.30		Cross Rock Creek CONSTRUCTION!!! Temp 1 lane, temp traffic signals				
A 140	132.70	0.40				65		

INDEPENDENCE, MO – COUNCIL GROVE, KS

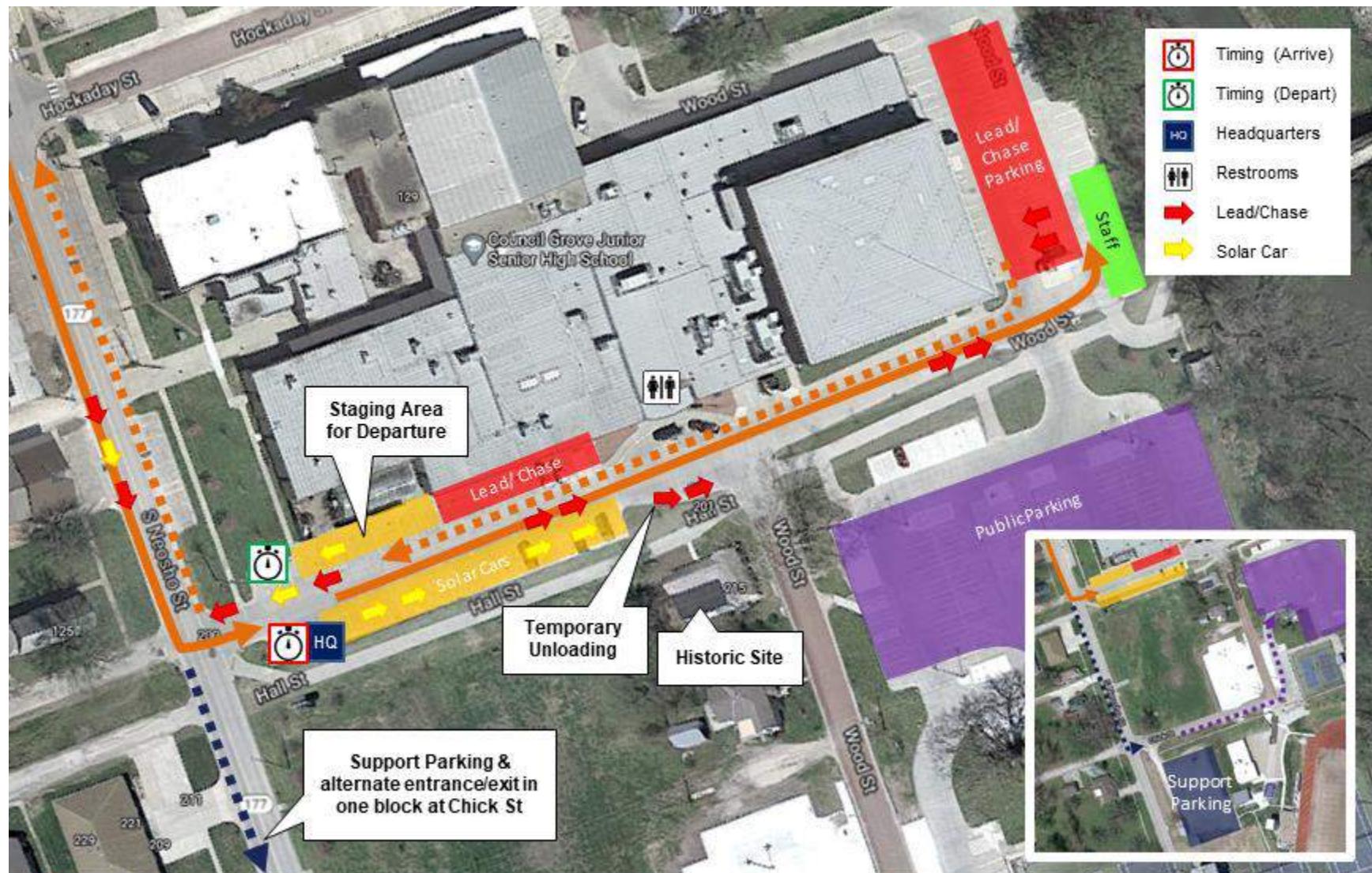


Final Approach to Council Grove Checkpoint

Step A150



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 141	137.00	4.30		Morris Co Transfer Station				
A 142	137.10	0.10		Old Stone Barn (for Morris County Fairgrounds) on right				
A 143	138.20	1.10			55	paved		
A 144	138.50	0.30		Entering Council Grove "Registered National Historic Landmark"	1	35	paved, curb	fuel, food
A 145	138.60	0.10			1	30		
A 146	139.30	0.70		SL Union St/KS-177, then cross Neosho River (photo op: covered wagon on right after crossing river)	1	20		fuel
A 147	139.40	0.10		Wood St, Hays House on right (between Wood St & Neosho St)				
A 148	139.50	0.10	TURN LEFT onto KS-177/Neosho St	*** Pay Attention! No Stop Sign! ***				
A 149	139.60	0.10		Hockaday St				
A 150	139.70	0.10	TURN LEFT onto Hall St (at Seth Hays House sign) for CHECKPOINT at Council Grove Junior Senior High School	Follow checkpoint crew instructions				



Council Grove Junior Senior High School – Council Grove, KS – Checkpoint



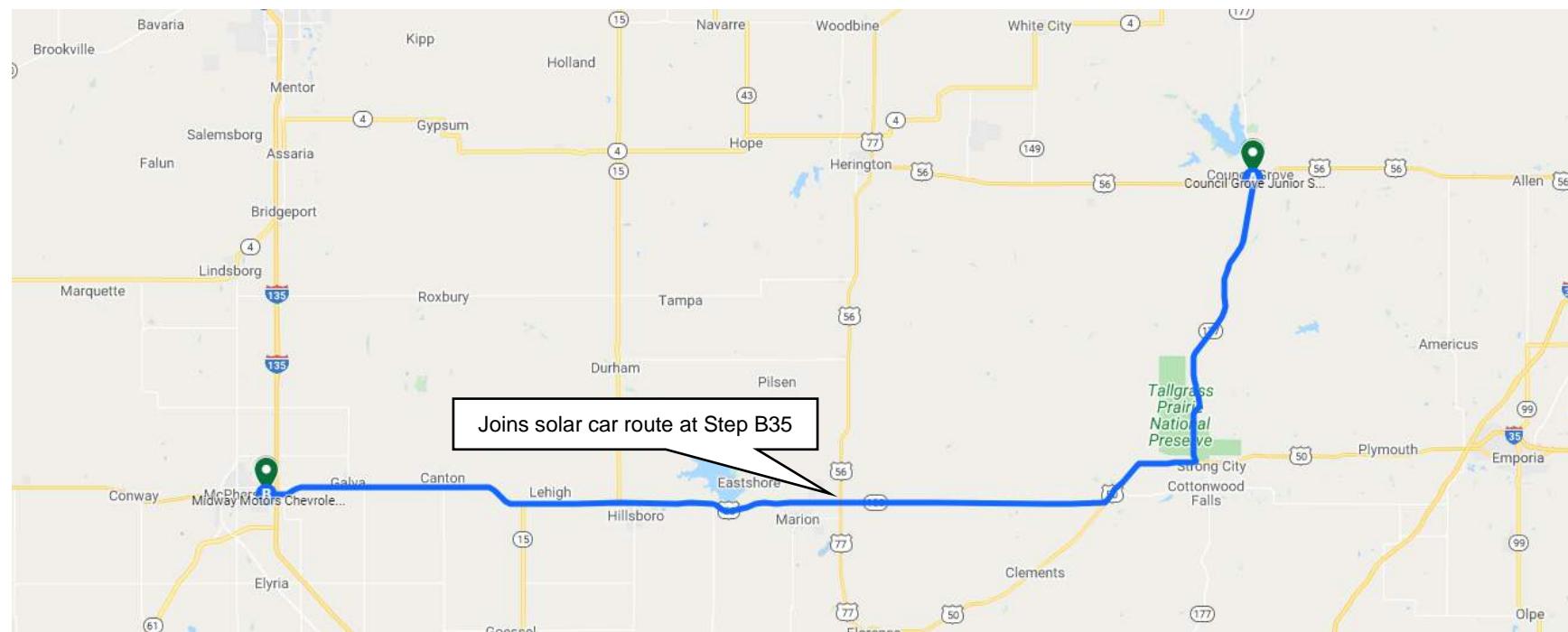
STAGE 1 SEGMENT B

AMERICAN SOLAR CHALLENGE 2021

Council Grove, KS – McPherson, KS

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



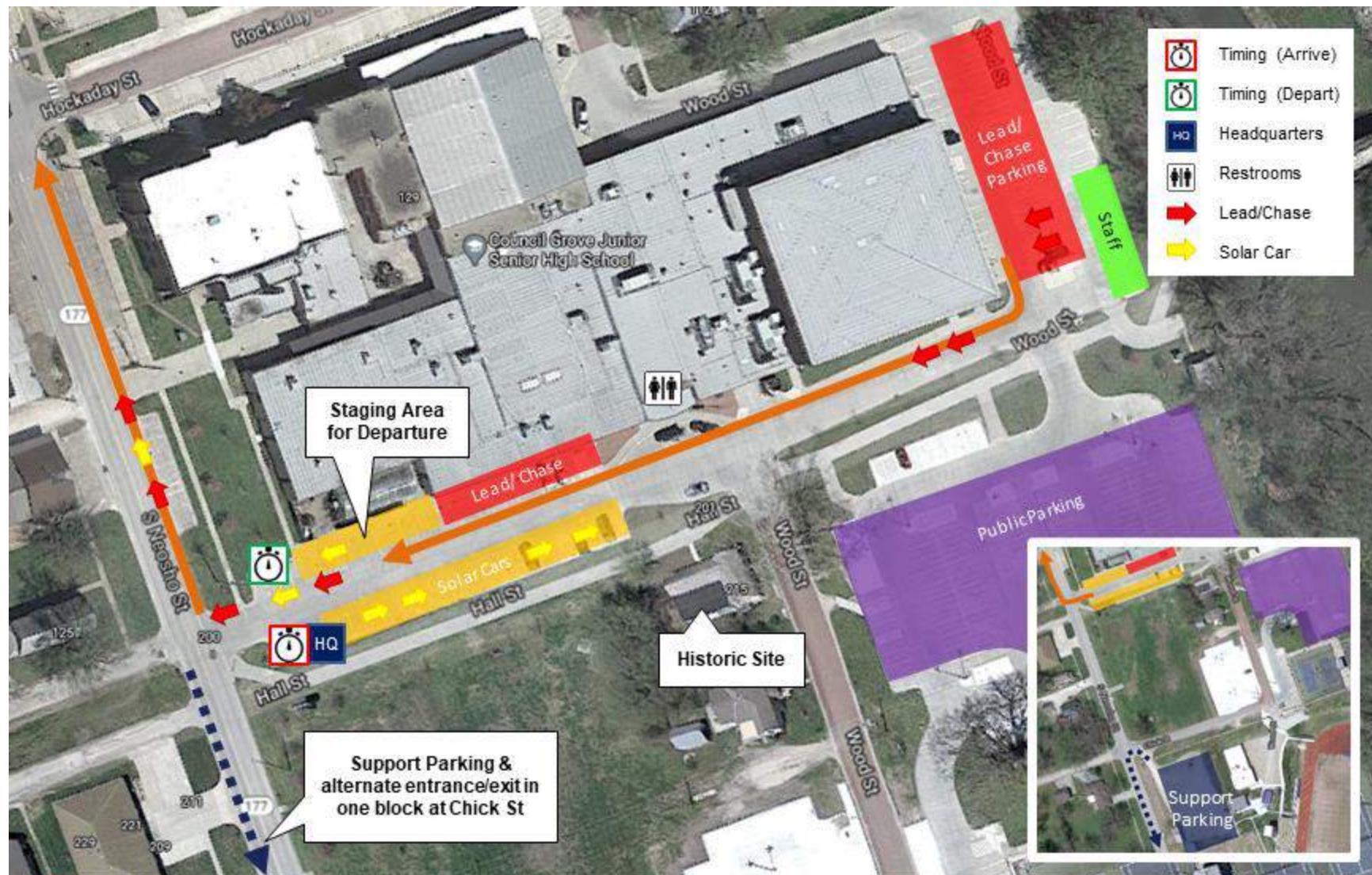
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	Turn left onto KS-177 S/S Neosho St; follow KS-177 S	
19.0 mi	Turn right to merge onto US-50 W toward Florence	
6.8 mi	Turn right onto KS-150 W	
16.7 mi	At the traffic circle, continue straight onto US-56 W	Join solar car route to McPherson
36.8 mi	Turn right into Midway Motors at 2045 E Kansas Ave, McPherson, KS 67460, USA	

Approx. 79 miles (1 hr, 19 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

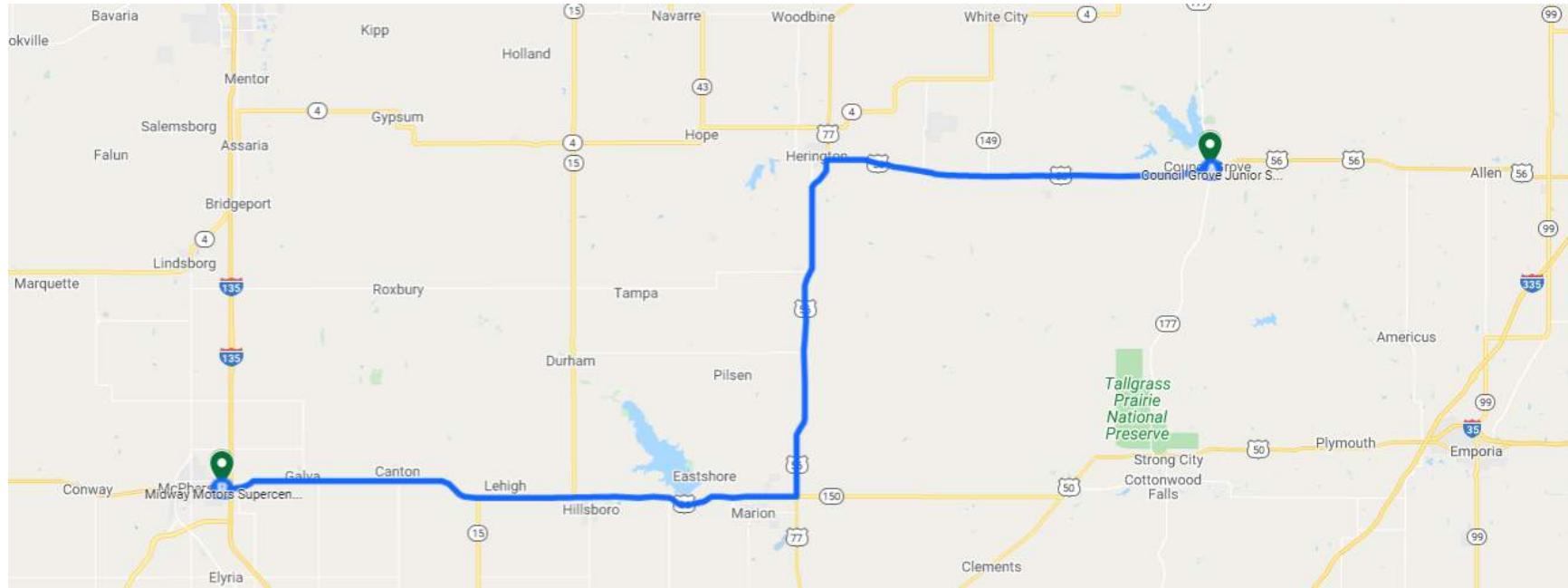


Council Grove Junior Senior High School – Council Grove, KS – Checkpoint



SOLAR CAR ROUTE OVERVIEW

COUNCIL GROVE, KS – MCPHERSON, KS



COUNCIL GROVE, KS – MCPHERSON, KS

BASE LEG B

CHECKPOINT:

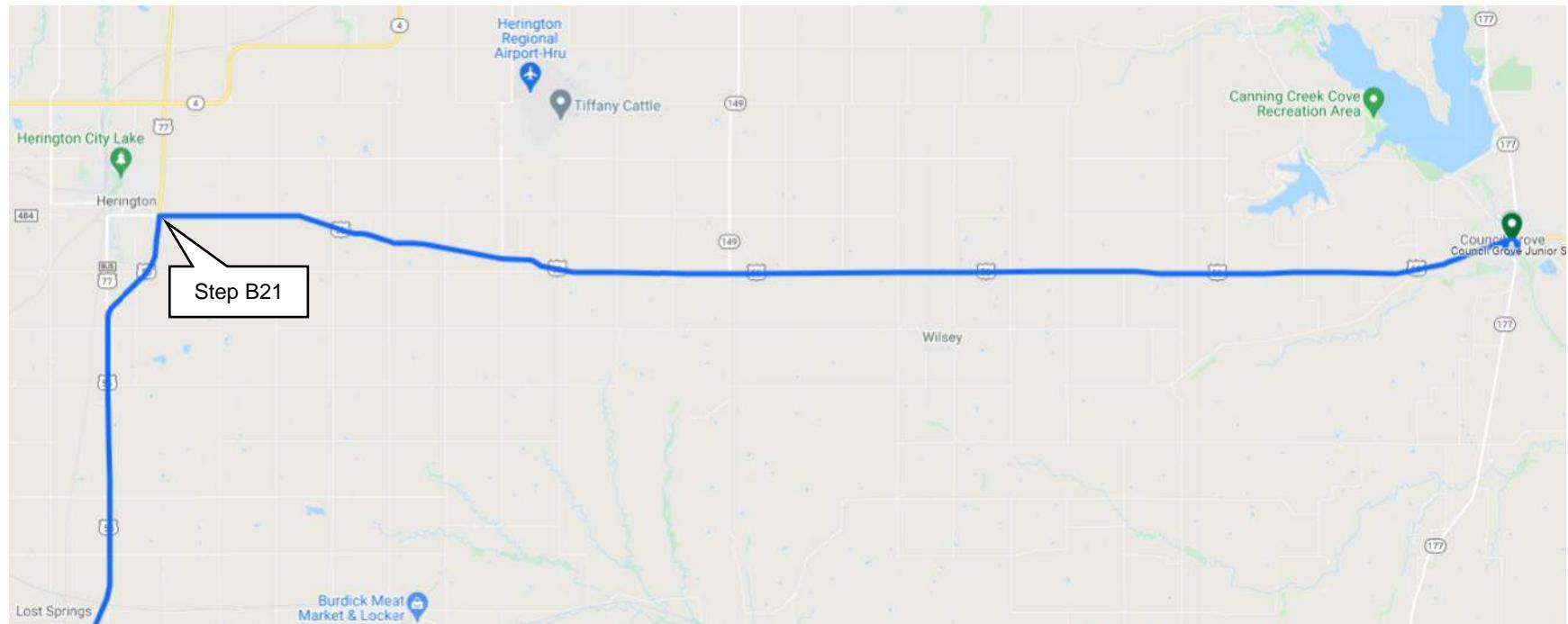
Council Grove Junior-Senior High School
129 Hockaday St, Council Grove, KS 66846

STAGE STOP:

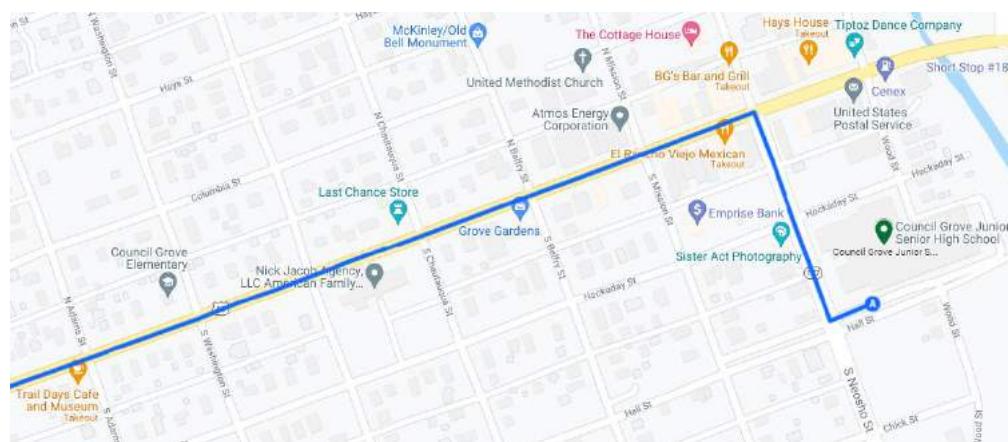
Midway Motors
2045 E Kansas Ave, McPherson, KS 67460



COUNCIL GROVE, KS – MCPHERSON, KS



Leaving Checkpoint, Steps B1-B6

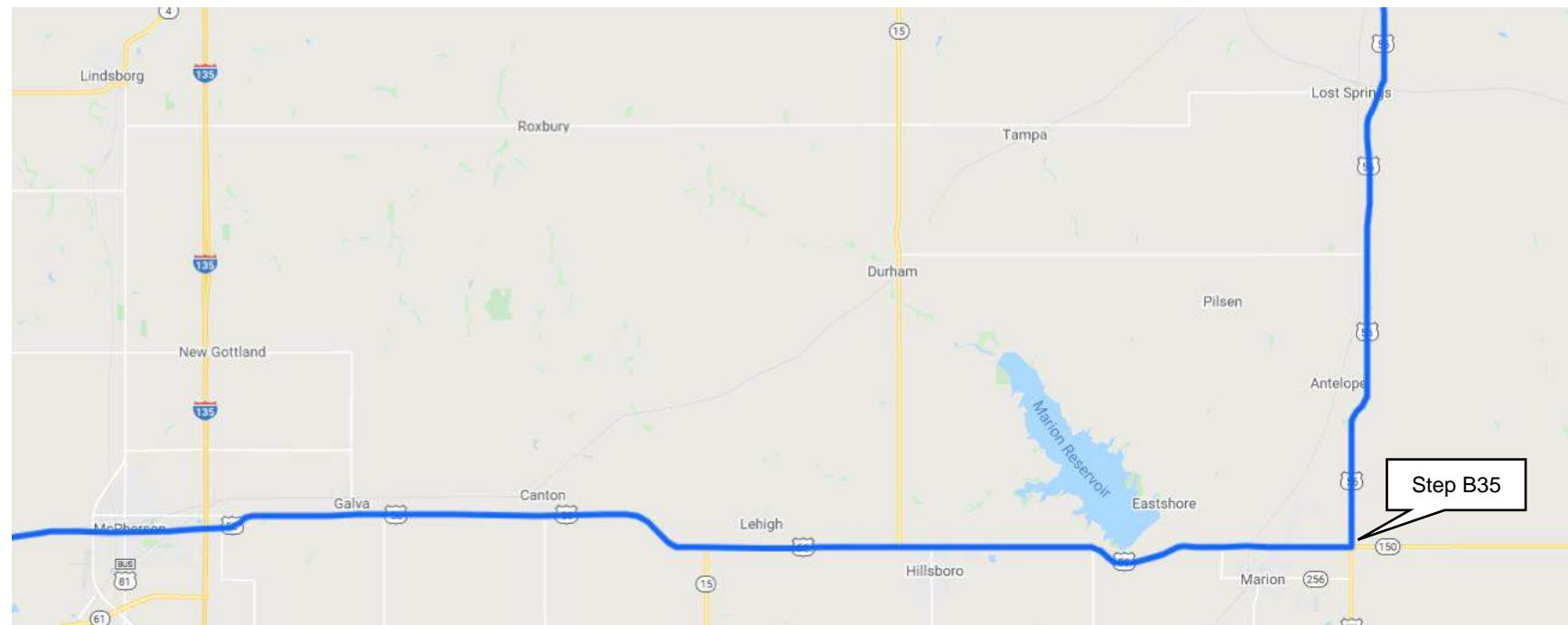


Step B21



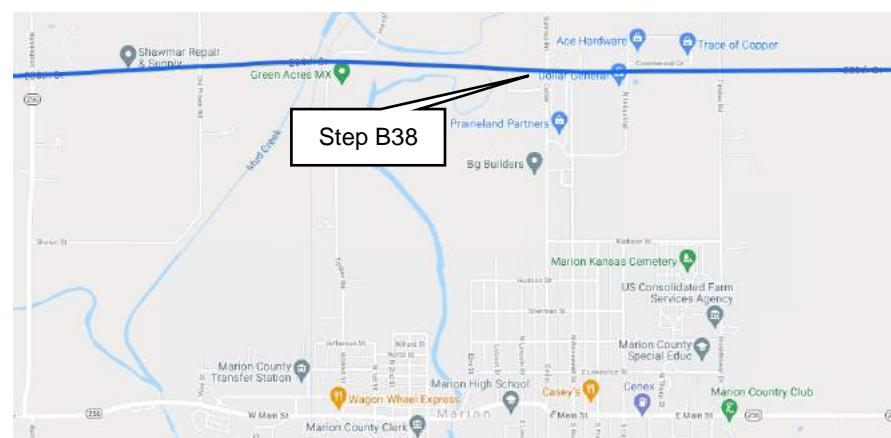
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 1	0.00		TURN RIGHT leaving checkpoint onto Neosho St/KS-177		1	20	parking	
B 2	0.10	0.10	TURN LEFT at STOP SIGN onto US-56 West	Warning: cross traffic does not stop!	1	30	parking	
B 3	0.20	0.10		Mission St		30		
B 4	0.30	0.10		Chautauqua St, Last Chance Store on corner		30	curb	
B 5	0.50	0.20		Washington St		30	curb	Hospital
B 6	0.60	0.10		Adams St, Trail Days Café & Museum on corner	1			
B 7	0.70	0.10		Jefferson St				
B 8	0.80	0.10				35		
B 9	0.90	0.10		Sunset Dr, large wagon wheel on right		35		
B 10	1.30	0.40		Old US 56 on right, "Marion 48 miles"		55		
B 11	1.60	0.30		Santa Fe Trail Auto Tour sign		65		
B 12	2.90	1.30		Brief 2 lane passing	2			
B 13	5.20	2.30		1300 Rd, Council Grove City Lake & Wildlife Area turnoff	1	65	grass	
B 14	6.00	0.80		1400 Rd, Santa Fe Trail ruts on the left				
B 15	10.00	4.00		1800 Rd, turnoff for Wilsey				
B 16	14.00	4.00		KS-149/2200 Rd				
B 17	17.60	3.60		Passing through Delavan		50		
B 18	18.00	0.40		2600 Rd, Herington Regional Airport turnoff on right		65		
B 19	20.00	2.00		2800 Rd, turnoff for Burdick				
B 20	22.10	2.10		3000 Rd, small cemetery on left				
B 21	24.20	2.10	TURN LEFT at STOP SIGN (All-Way) & FLASHING RED LIGHT to follow US-56W/US-77S toward Marion	Jct US-77, B.C. Motors on corner, Entering Herington	1	65		
B 22	24.30	0.10		"Lincolnville 12" sign	1		gravel	
B 23	25.70	1.40		Historical Marker on right				
B 24	26.10	0.40		Begin divided hwy, Bus US-56 merges				

COUNCIL GROVE, KS – MCPHERSON, KS



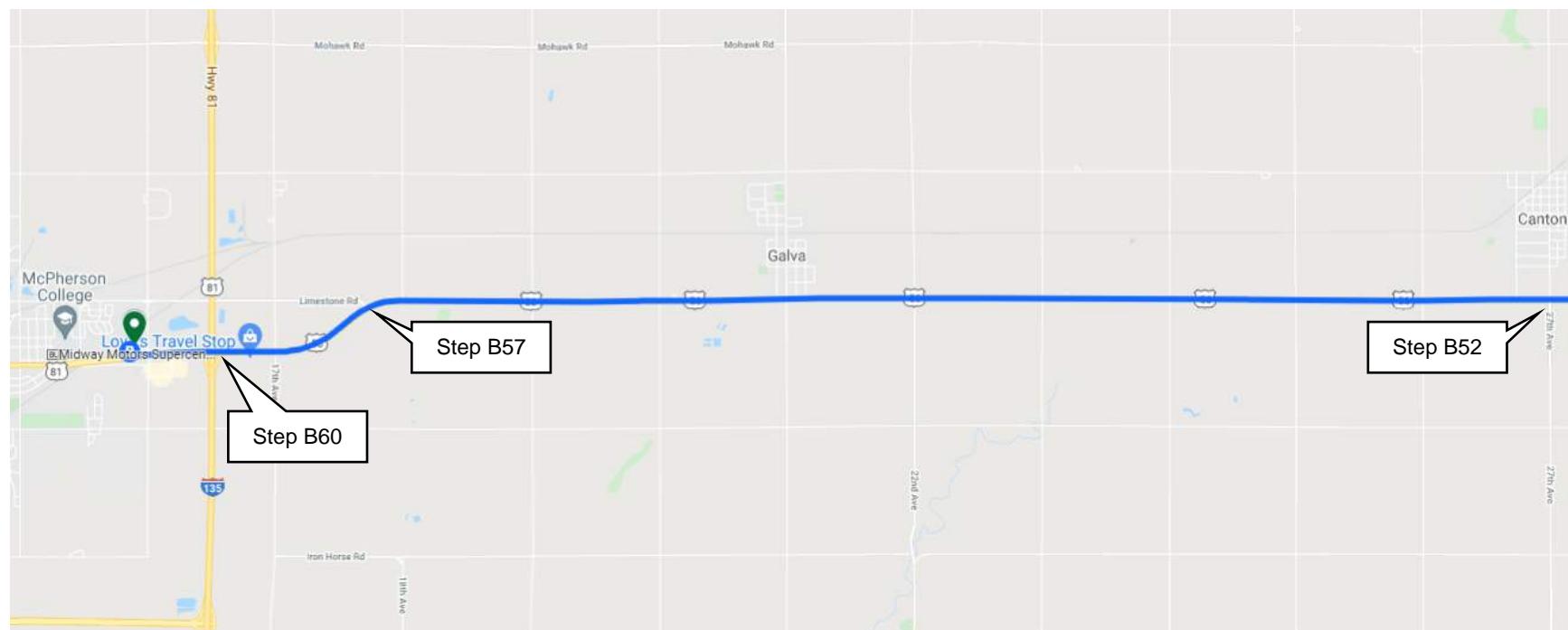
Step B35

Marion Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 25	26.40	0.30		Divided highway ends				
B 26	26.90	0.50		Santa Fe NHT Auto Tour sign			gravel	
B 27	28.50	1.60		Marion County Line				
B 28	31.50	3.00		340th St, turnoff for Santa Fe NHT local tour route & Lost Springs	1	65	gravel	
B 29	34.60	3.10		310th St, Centre High School on left				
B 30	36.30	1.70		Entering Lincolnville		45		fuel
B 31	36.90	0.60		"Marion 12 miles"	1	65	gravel	
B 32	38.60	1.70		270th St				
B 33	41.80	3.20		240th St				
B 34	44.80	3.00		210th St				
B 35	45.80	1.00	TURN RIGHT at ROUNDABOUT to follow US-56W for McPherson (Do NOT take diagonal Authorized Vehicles Only ramp)	Jct with US-77S, KS-150E, rumble strips before roundabout	1		curb	
B 36	45.90	0.10		"McPherson 36"	1	65	gravel	
B 37	47.60	1.70		Entering Marion				All
B 38	48.30	0.70		Cedar Rd/Sunrise Rd (right turn lane/passing opportunity)	1	65	gravel	Hospital
B 39	49.80	1.50		Jct KS-256/Remington Rd				
B 40	50.80	1.00		Quail Creek Rd				
B 41	52.80	2.00		Old Mill Rd, Marion Reservoir turnoff				
B 42	53.90	1.10		Nighthawk Rd, Hillsboro Cove turnoff				
B 43	55.00	1.10		Mustang Rd				
B 44	56.00	1.00		Limestone Rd				
B 45	57.00	1.00		Kanza Rd, Marion Lake Wildlife Area turnoff	1	65	gravel	
B 46	58.00	1.00		Hillsboro Community Hospital				Hospital
B 47	59.00	1.00		Entering Hillsboro, Hillsboro Business District turnoff				All
B 48	60.00	1.00		Jct KS-15N for Abilene				

COUNCIL GROVE, KS – MCPHERSON, KS



McPherson Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 49	64.50	4.50		Jct KS-168 for Lehigh			paved	
B 50	66.00	1.50		Jct KS-15S for Newton	1	65	paved	
B 51	68.30	2.30		30th Ave, historical marker on right, McPherson County Line, SFT Local Tour turnoff				
B 52	71.30	3.00		Entering Canton , 27th Ave	1	60	gravel	fuel
B 53	71.70	0.40				65		
B 54	76.30	4.60		22nd Ave, "Moundridge 12" turnoff				
B 55	77.10	0.80		Entering Galva	1	45	none	fuel
B 56	77.60	0.50			1	65	gravel	
B 57	80.60	3.00		Limestone Rd on right (no sign)	1	65	gravel	
B 58	81.20	0.60			2	55		
B 59	81.60	0.40			2	45		fuel
B 60	81.80	0.20		SL for I-135/US-81	2			
B 61	82.00	0.20		Entering McPherson	2	45		All
B 62	82.20	0.20		SL for Champlin St	2	45	curb	
B 63	82.40	0.20		SL for Centennial Dr	2	45	curb	
B 64	82.50	0.10	TURN RIGHT into Midway Motors for STAGE STOP	Use right turn lane, Follow stagepoint crew instructions	2			



STAGE 1

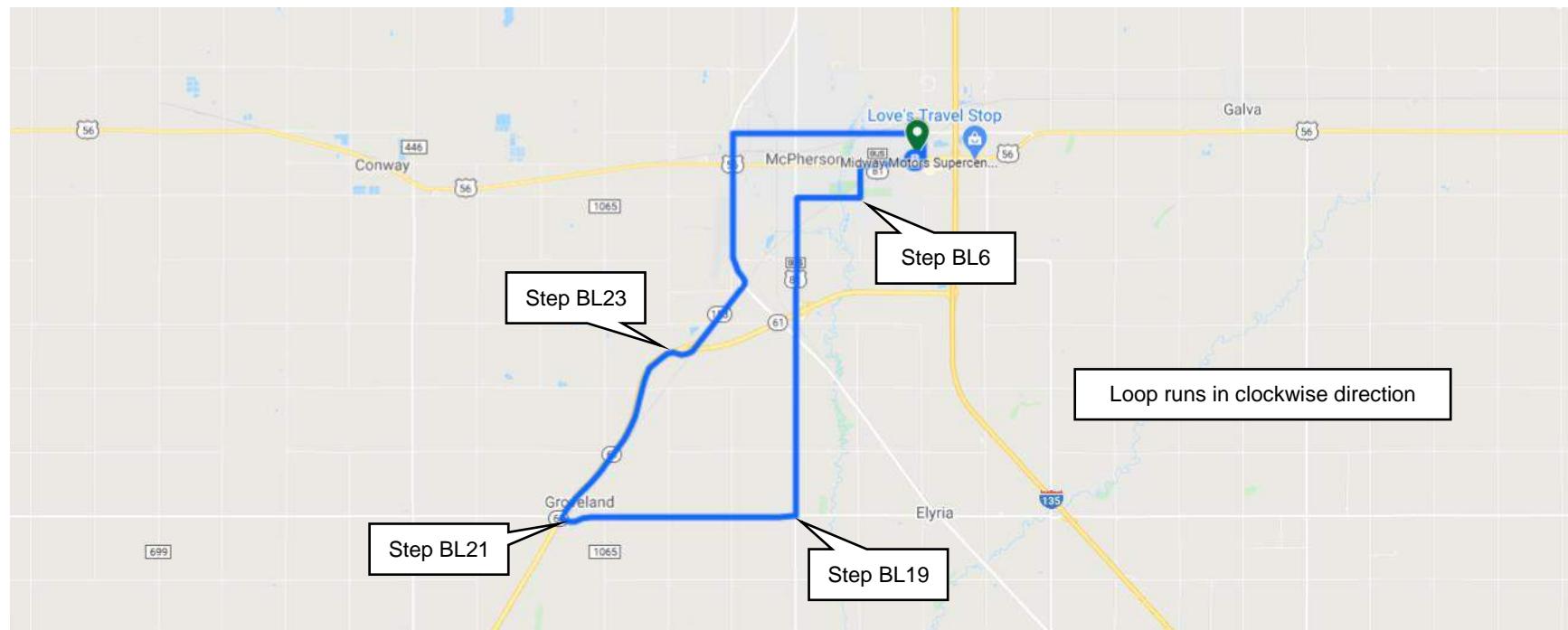
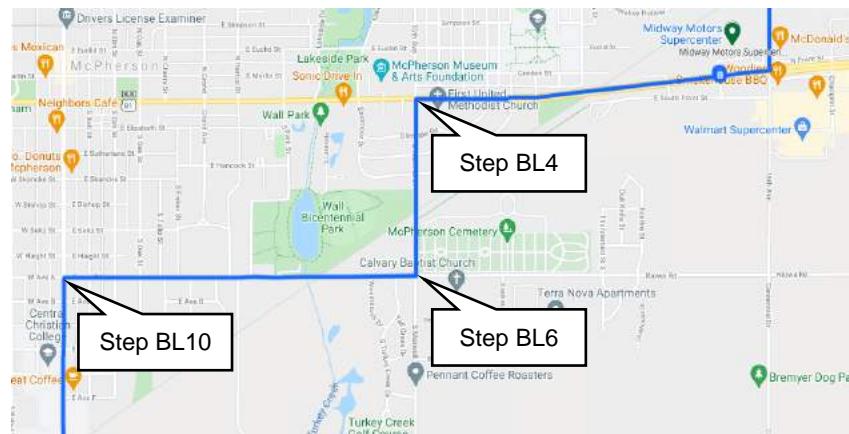
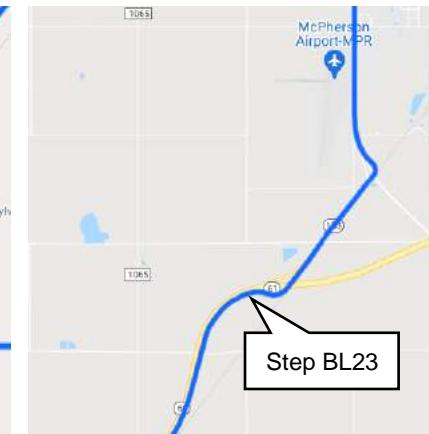
OPTIONAL LOOP

(SEGMENT B LOOP)

MCPHERSON

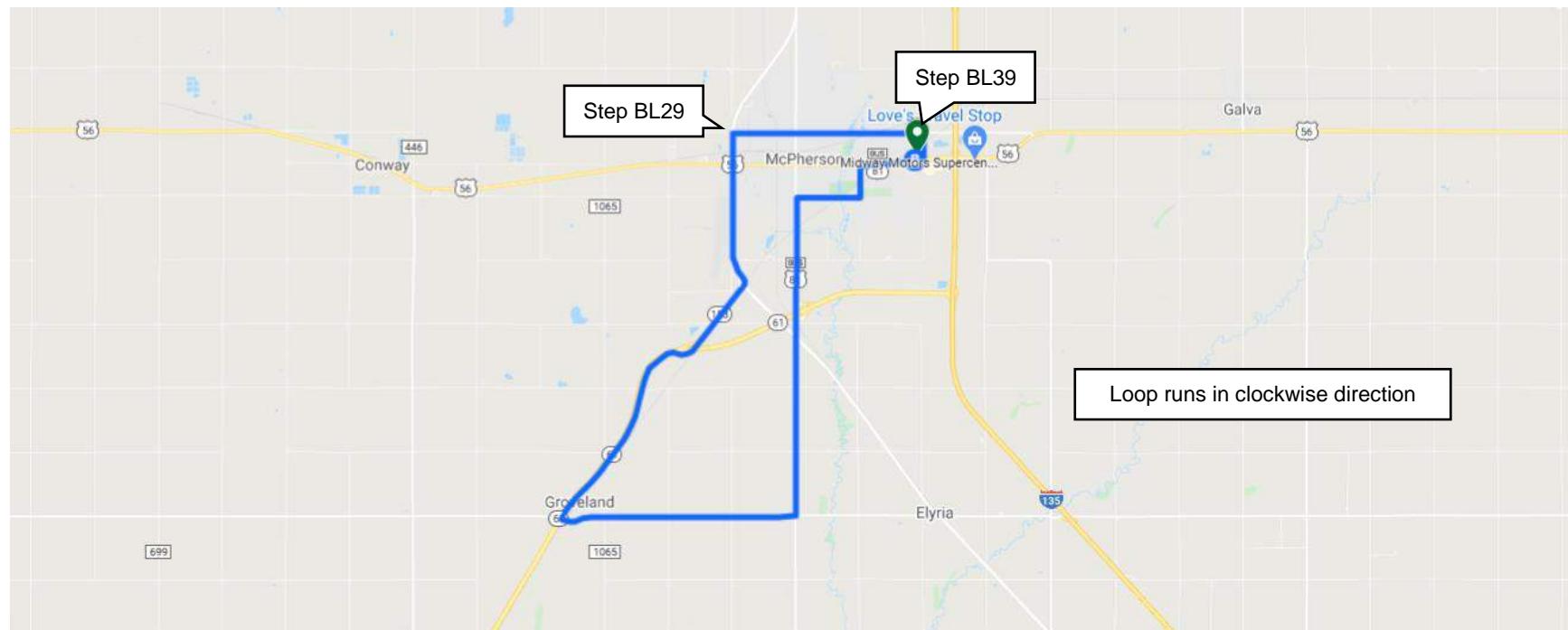
AMERICAN SOLAR CHALLENGE 2021

MCPEHSON OPTIONAL LOOP

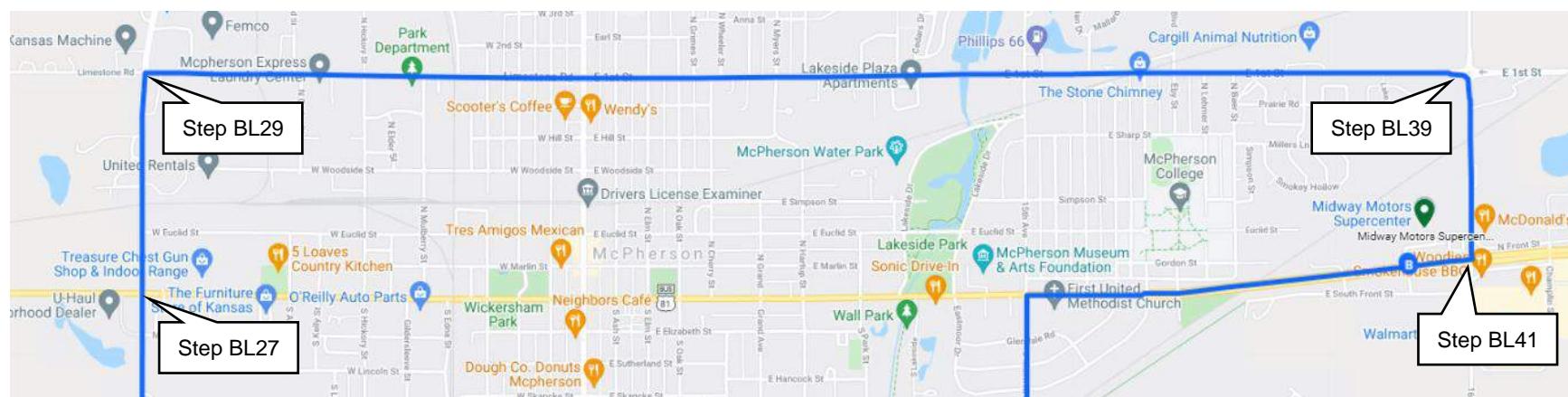
**Steps BL1-BL10****Step BL21****Steps BL23-BL25**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 1	0.00		TURN RIGHT out of Midway Motors onto US-56/Kansas Ave		2	35	curb	
BL 2	0.30	0.30			2	35	curb	
BL 3	0.50	0.20		McPherson College on right	2	35	curb	
BL 4	0.90	0.40	TURN LEFT at SL onto Maxwell St		1	30	curb	
BL 5	1.20	0.30		RR tracks				
BL 6	1.40	0.20	TURN RIGHT at Flashing Red STOP SIGN onto Avenue A		1	35	none	
BL 7	1.60	0.20		RR tracks				
BL 8	1.80	0.20		Wall Bicentennial Park on right		30		
BL 9	2.10	0.30		Light Capital Baseball Stadium on right		35		
BL 10	2.40	0.30	TURN LEFT at SL onto Main St/Business US-81		1	35	grass	
BL 11	2.70	0.30				35		
BL 12	2.90	0.20		Cross RR tracks		45		
BL 13	3.20	0.30				55		
BL 14	4.00	0.80		Jct KS-61				
BL 15	4.30	0.30		Cross RR tracks				
BL 16	4.50	0.20	CONTINUE STRAIGHT on US-81 Business	Stop Sign for Old US-81 Hwy, cross traffic does not stop	1	55	none	
BL 17	5.30	0.80			1	45	none	
BL 18	5.90	0.60			1	55	none	
BL 19	7.30	1.40	TURN RIGHT onto Comanche Rd/Jct 445 CR	*** Pay Attention! No Stop Sign! ***	1	55	none	
BL 20	11.00	3.70		RR tracks				
BL 21	11.10	0.10	TURN RIGHT at STOP SIGN onto KS-61		2	70	paved	
BL 22	13.50	2.40		Eisenhower Rd	2	70	paved	
BL 23	14.30	0.80	TAKE EXIT for KS-153 North toward McPherson		1	55	paved	
BL 24	14.90	0.60	MERGE onto KS-153 North/Old US-81 North	"McPherson 2 miles"	1			

MCPHERSON OPTIONAL LOOP



Steps BL27-BL42



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 25	16.90	2.00	Continue on Old US-81 North	McPherson Airport on left	1			
BL 26	17.20	0.30			1	40	paved	
BL 27	17.90	0.70		Stop Sign (All-Way) for US-56	2			
BL 28	18.10	0.20		RR tracks, stay in right lane for turn ahead	2	40	curb	
BL 29	18.40	0.30	TURN RIGHT onto First St	*** Pay Attention! No Stop Sign! *** Across from small Shell station	2	35	curb	
BL 30	18.60	0.20		RR tracks	2	35	curb	
BL 31	19.10	0.50		RR tracks	2			
BL 32	19.20	0.10			2	30		
BL 33	19.40	0.20		SL for Main St	2			
BL 34	19.80	0.40		SL for Hartup St/Myers St	2			
BL 35	20.10	0.30			2	35		
BL 36	20.40	0.30		SL for Maxwell St/15th Ave	2	35		fuel
BL 37	20.60	0.20		RR tracks	2			
BL 38	21.30	0.70		Right lane ends before roundabout	1			
BL 39	21.40	0.10	TURN RIGHT at ROUNDABOUT onto Centennial Dr		1	35		
BL 40	21.50	0.10		RR tracks				
BL 41	21.80	0.30	TURN RIGHT at SL onto Kansas Ave/ US-56 West		2			
BL 42	21.90	0.10	TURN RIGHT into Midway Motors for STAGE STOP	Follow stagepoint crew instructions				

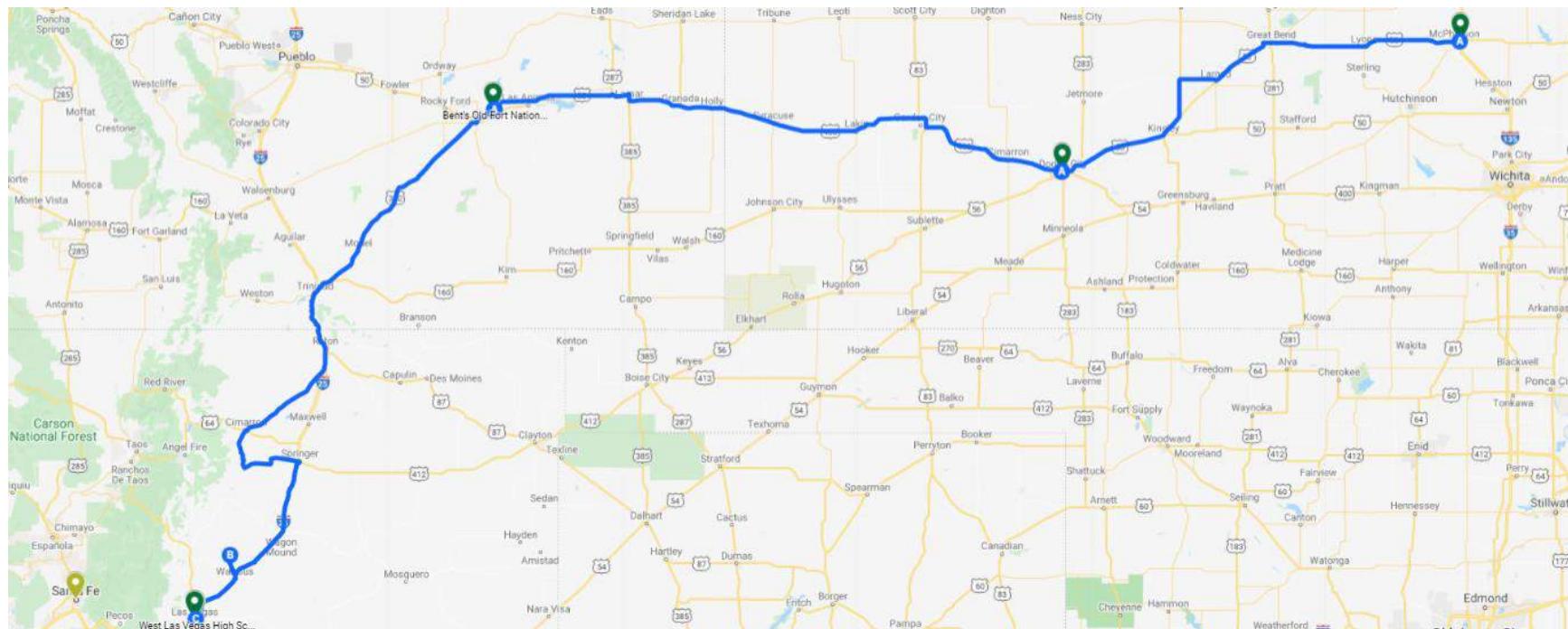
STAGE 2

2021 AMERICAN SOLAR CHALLENGE

McPherson, KS – Las Vegas, NM
August 4-6

Time Zone	Mountain Time (24 Hour Format)	* 1hr Ahead of Local Time		
Stage Start	Midway Motors 2045 E Kansas Ave, McPherson, KS 67460	Nominal Start Time 9:00, August 4 *		
Checkpoint	Boot Hill Museum 500 W Wyatt Earp Blvd, Dodge City, KS 67801 Mandatory Hold Time: 45 Minutes	Open Time Driving Resumption Time Close Time	11:45, August 4 * 14:45, August 4 15:30, August 4	
Checkpoint	Bent's Old Fort National Historic Site 35110 CO-194, La Junta, CO 81050 Mandatory Hold Time: 45 Minutes	Open Time Earliest Release Time Driving Resumption Time Close Time	15:45, August 4 14:00, August 5 14:30, August 5 15:15, August 5	
Optional Loop	La Junta Loop	Loop Close Time	14:15, August 5	
Stage Finish	West Las Vegas High School 179 Bridge St, Las Vegas, NM 87701	Nominal Close Time	18:00, August 6	
Optional Loop	Las Vegas Loop			

STAGE 2 ROUTE OVERVIEW



Segment C	Base Leg C	McPherson, KS – Dodge City, KS	154.2	miles
Segment D	Base Leg D	Dodge City, KS – La Junta, CO	201.2	miles
	Optional Loop DL	La Junta Loop	40.7	miles
Segment E	Base Leg E	La Junta, CO – Las Vegas, NM	269.5	miles
	Optional Loop EL	Las Vegas Loop	27.6	miles

STAGE 2 SEGMENT C

AMERICAN SOLAR CHALLENGE 2021

McPherson, KS – Dodge City, KS

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



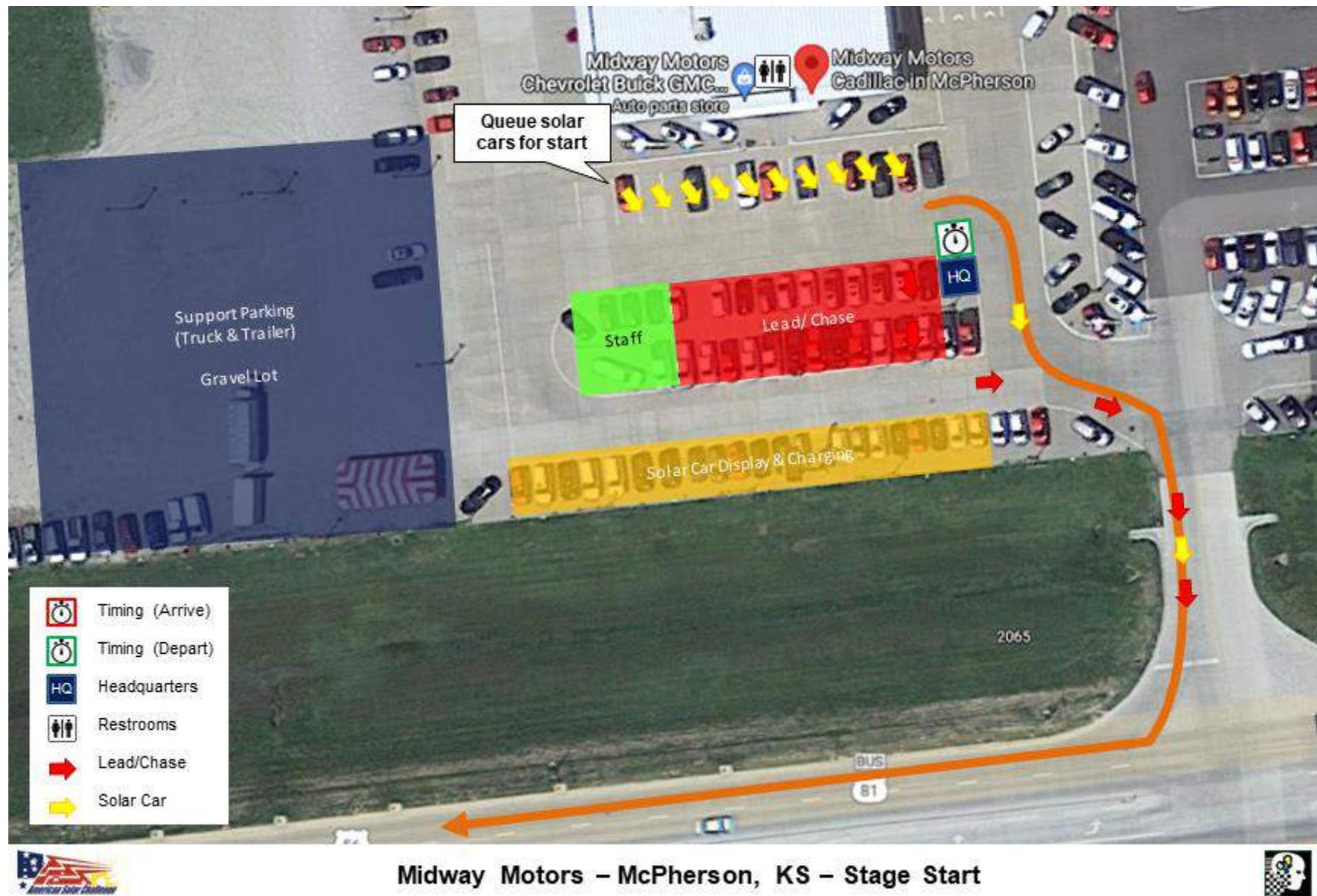
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	Turn left at the 1st cross street onto E Kansas Ave	
0.6 mi	Turn right onto the ramp to Wichita, Merge onto I-135 S	
1.6 mi	Take exit 58 toward KS-61 S/US-81 BUS S	
0.3 mi	Slight right onto KS-61 S/US-81 BUS S, Continue to follow KS-61 S	
29.2 mi	Turn right onto the KA-61 W/US-50 W ramp to Pratt/Kinsley	
0.5 mi	Merge onto US-50 W	
7.9 mi	Keep left to stay on US-50 W	
39.6 mi	At the traffic circle, take the 2nd exit and stay on US-50 W	
68.2 mi	Turn left onto US-283 S/US-56 W/E Wyatt Earp Blvd Continue to follow E Wyatt Earp Blvd	Join solar car route at step C114 in Kinsley, follow route to Dodge City (last ~36 miles)
5.2 mi	Turn right onto 1st Ave	
646 ft	Turn left onto W Spruce St	
981 ft	Turn left onto 4th Ave	
49 ft	Park in Support Parking at 701 4th Ave, Dodge City, KS 67801, USA	

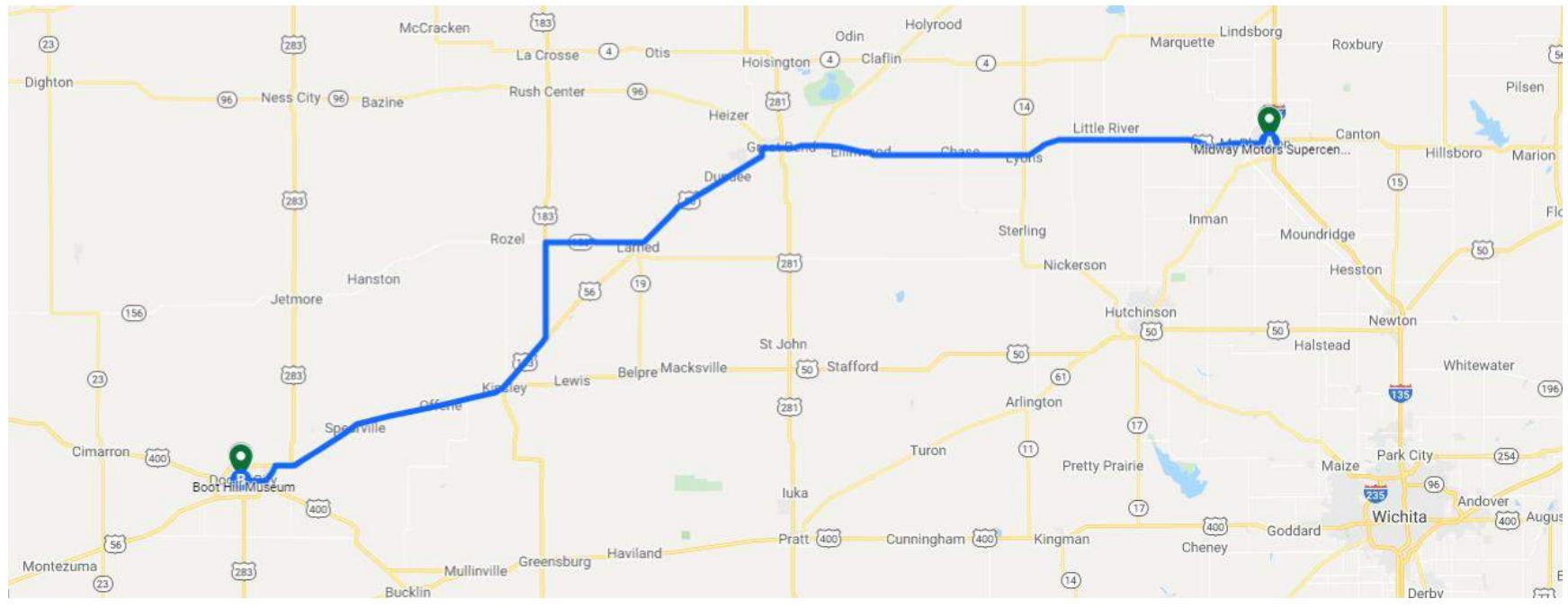
Approx. 154 miles (2 hr, 31 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY



SOLAR CAR ROUTE OVERVIEW

MCPHERSON, KS – DODGE CITY, KS



MCPHERSON, KS – DODGE CITY, KS

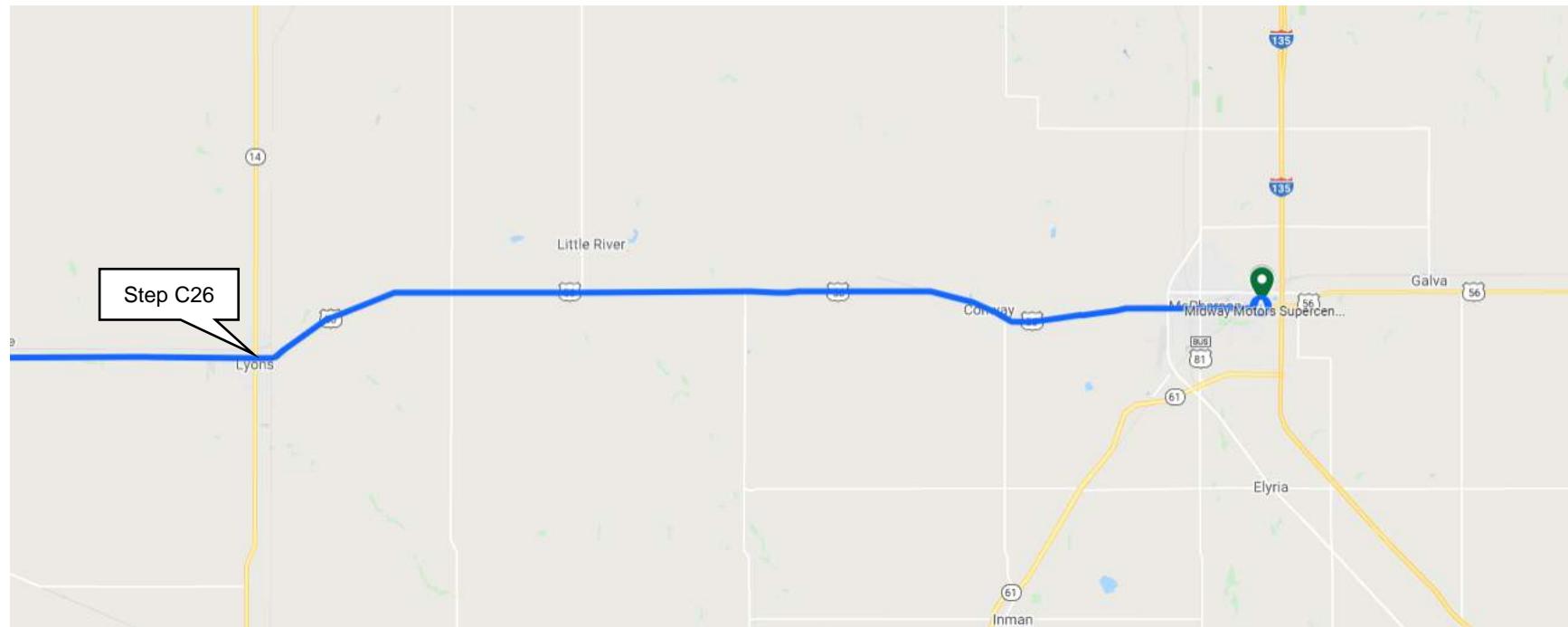
BASE LEG C

STAGE START:
Midway Motors
2045 E Kansas Ave, McPherson, KS 67460

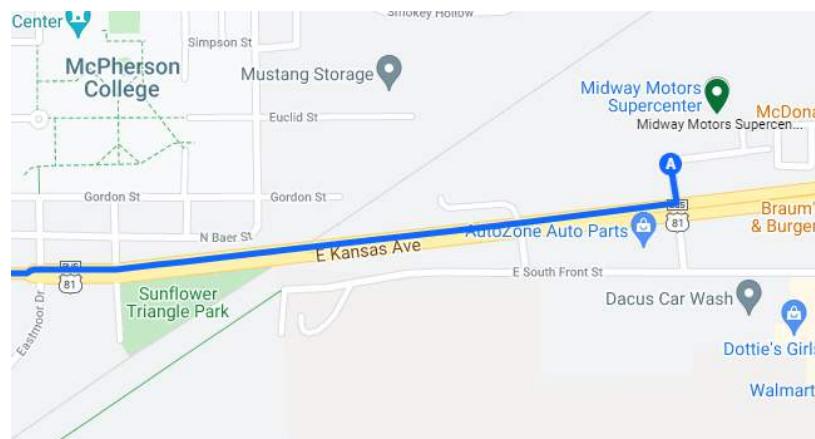
CHECKPOINT:
Boot Hill Museum
500 W Wyatt Earp Blvd, Dodge City, KS 67801



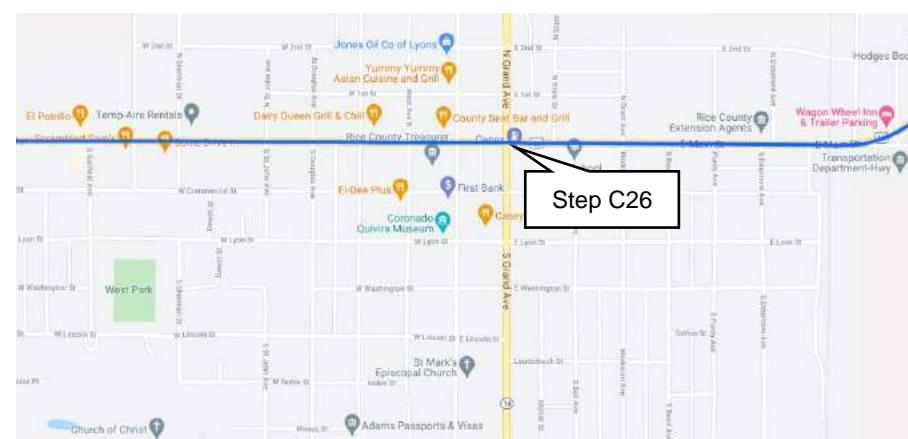
MCPHERSON, KS – DODGE CITY, KS



Leaving Stage Point

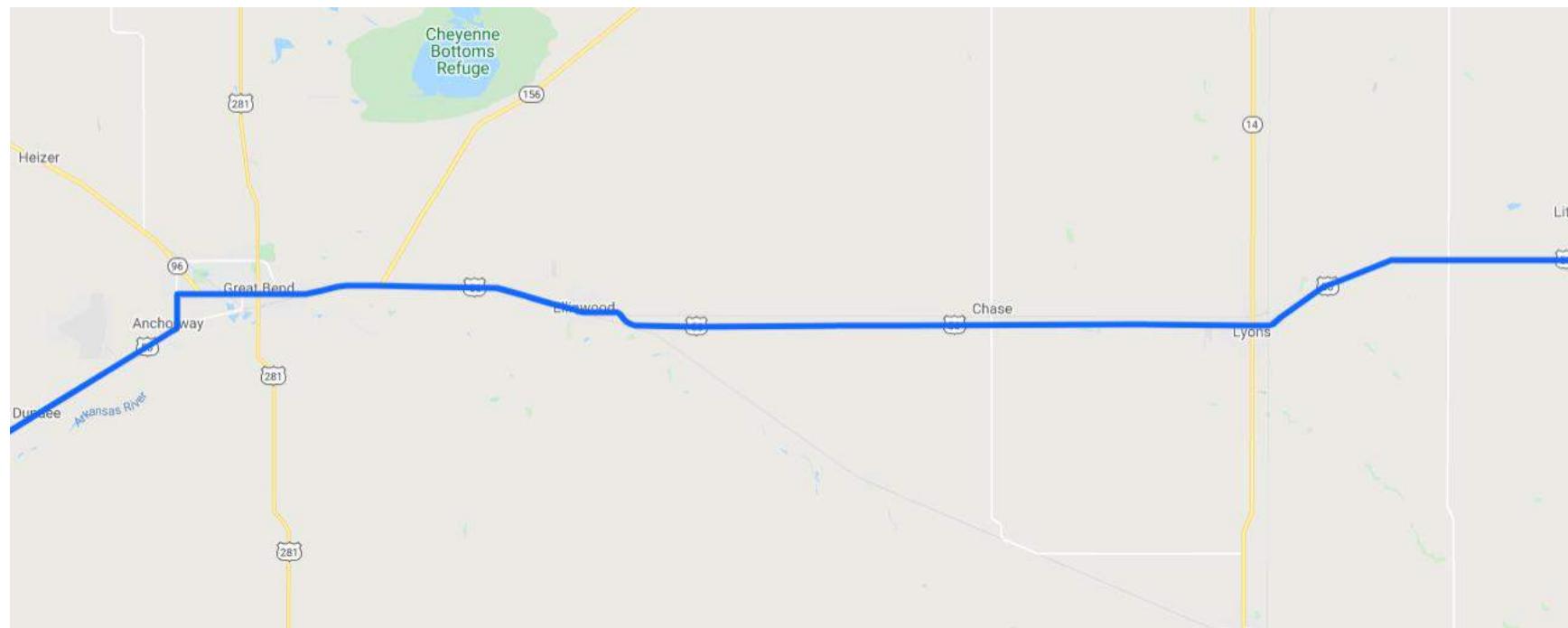


Lyons Detail

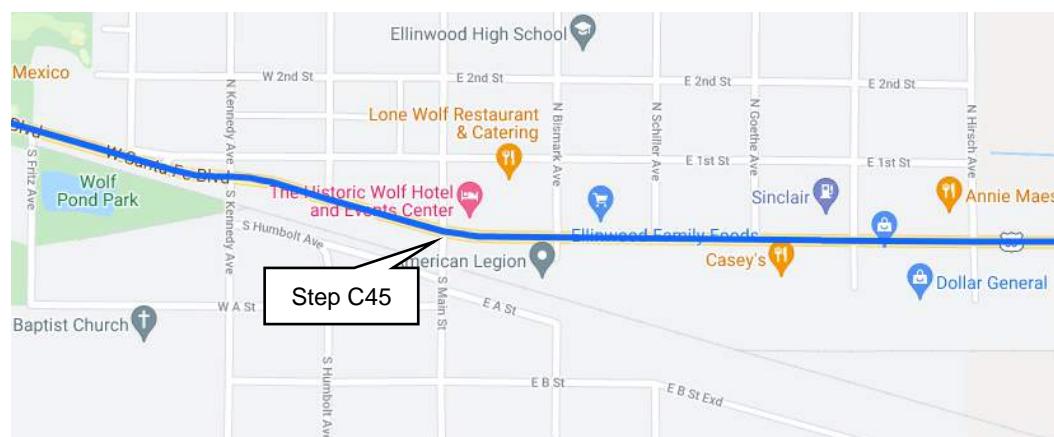


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 1	0.00		TURN RIGHT out of Midway Motors onto US-56 West/Kansas Ave		2			
C 2	0.30	0.30				35		
C 3	0.60	0.30		McPherson College on right				
C 4	0.90	0.30		SL for Maxwell St				
C 5	1.10	0.20		SL for Lakeside Dr, Washington Elementary				fuel
C 6	1.40	0.30		SL for Hartup St	2		curb	
C 7	1.70	0.30		SL for Oak St	2	25	curb	
C 8	1.80	0.10		SL for Ash St				
C 9	1.90	0.10		SL for Main St			parking	Hospital
C 10	2.00	0.10		SL for Maple St		25		
C 11	2.20	0.20		RR tracks (not bad), move to left lane		35		
C 12	2.90	0.70	CONTINUE STRAIGHT at STOP SIGN (All-Way) to stay on US-56 West	Stop Sign for Old US 81	1		paved	
C 13	3.40	0.50				45		
C 14	3.90	0.50				65		
C 15	4.90	1.00		11th Ave		65		
C 16	8.00	3.10		8th Ave, McPherson Valley Wetlands and "Inman 9 miles" turnoff	1	65	paved	
C 17	11.10	3.10		5th Ave, Kansas Motorcycle Museum turnoff				
C 18	15.10	4.00		1st Ave				
C 19	15.40	0.30		Turnoff for Windom on right				
C 20	19.70	4.30		Cross the Little Arkansas River	1	65	grass	
C 21	21.00	1.30		KS-46, Turnoff on right for Little River				
C 22	25.00	4.00		22nd Rd/Hunter Blvd				
C 23	27.80	2.80		Central Kansas Services on left				
C 24	30.50	2.70		Entering Lyons	2	40	curb	All
C 25	31.10	0.60		RR tracks	2	30	curb	
C 26	31.60	0.50		SL for Grand Ave, Jct KS-14, KS-96	2	20	parking	Hospital

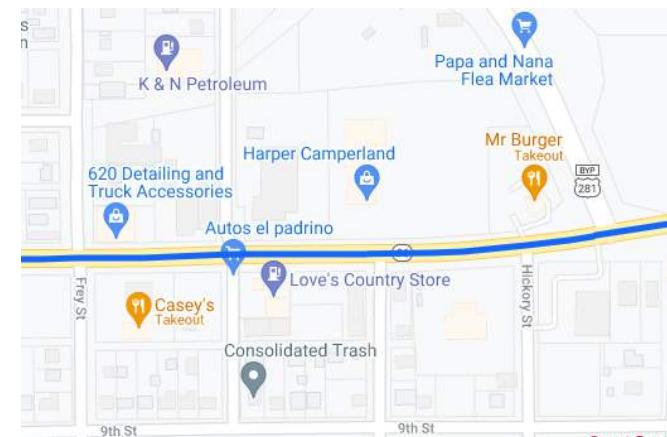
MCPHERSON, KS – DODGE CITY, KS



Ellinwood Detail

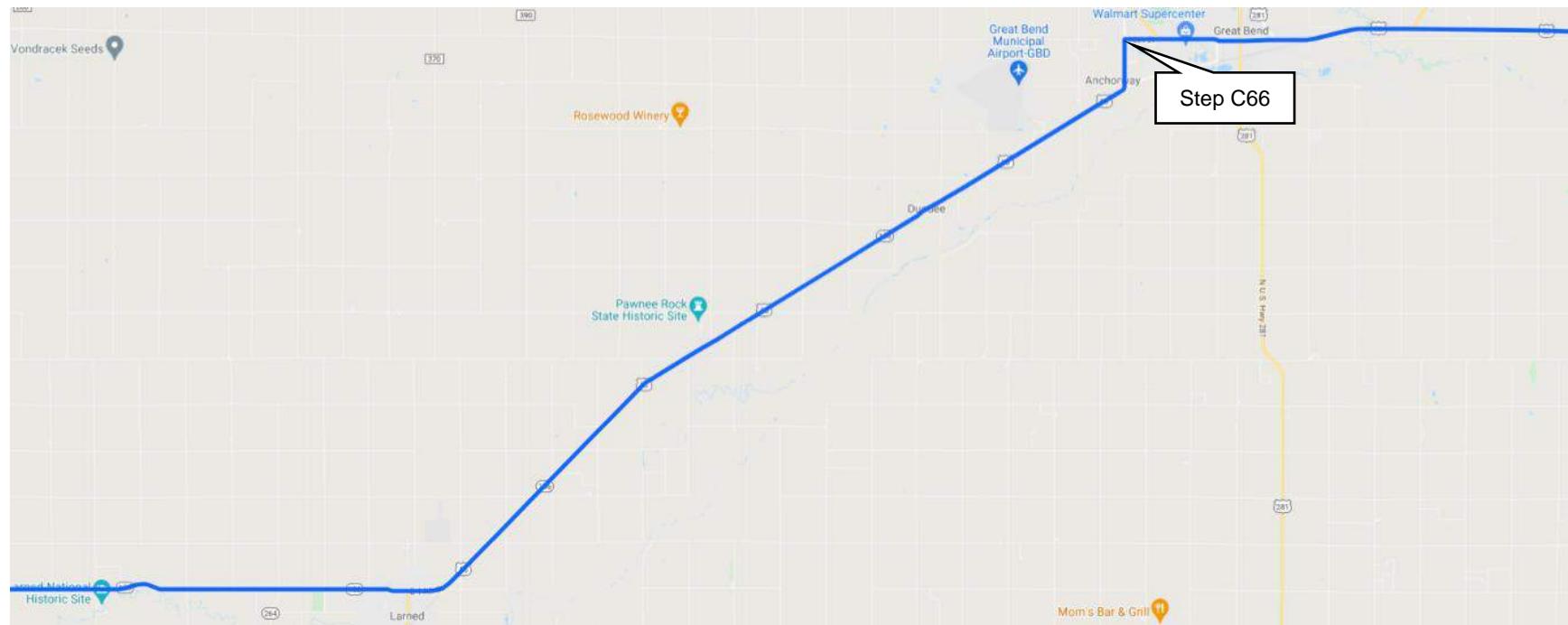


Entering Great Bend

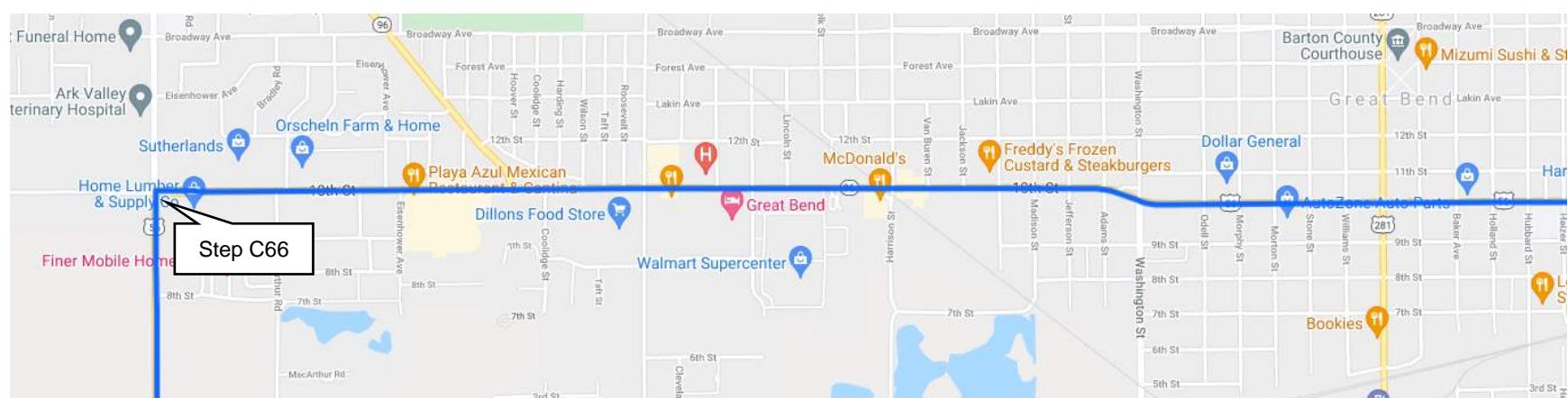


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 27	31.70	0.10		SL for East Ave				
C 28	31.90	0.20		North Pioneer Ave, Dairy Queen	2	35	curb	food
C 29	32.80	0.90		Right lane ends	1	55		
C 30	33.00	0.20		Lyons Rice County Airport on left, Santa Fe Trail Auto Tour sign on right	1	65	grass	
C 31	35.70	2.70		Historical marker on left	1	65	grass	
C 32	36.60	0.90		Cross Little Cow Creek				
C 33	36.80	0.20		Wayside park on left				
C 34	39.40	2.60				50		
C 35	39.60	0.20		8th Rd, turnoff for Chase	1	50		
C 36	39.80	0.20			1	65	grass	
C 37	43.80	4.00		Santa Fe Trail Ralph's Ruts to the right	1	65	grass	
C 38	49.70	5.90		130th Ave				
C 39	50.70	1.00	CONTINUE on US-56W/Santa Fe Blvd	Entering Ellinwood, "Where Eagles Soar" sign on left	2	65	curb	All
C 40	51.00	0.30				50		
C 41	51.10	0.10		RR tracks				
C 42	51.60	0.50			2	45	curb	
C 43	51.80	0.20		City Limit Ellinwood		40		
C 44	52.00	0.20				35		fuel
C 45	52.30	0.30		SL for Main St, Hospital to right	2	35	curb	Hospital
C 46	52.60	0.30			2	40	curb	
C 47	52.90	0.30		"Great Bend 9, Larned 33" sign	1	65	paved	
C 48	56.90	4.00		NE 60 Ave, Jct Scenic Byway	1	65	paved	
C 49	58.60	1.70		Jct KS-156, continue towards Great Bend	1	65	paved	
C 50	59.60	1.00		Historical Marker, Fort Zarah Park on right	1	65	paved	
C 51	60.60	1.00				55		
C 52	60.80	0.20				45		
C 53	60.90	0.10		Entering Great Bend	2	45	curb	All

MCPHERSON, KS – DODGE CITY, KS

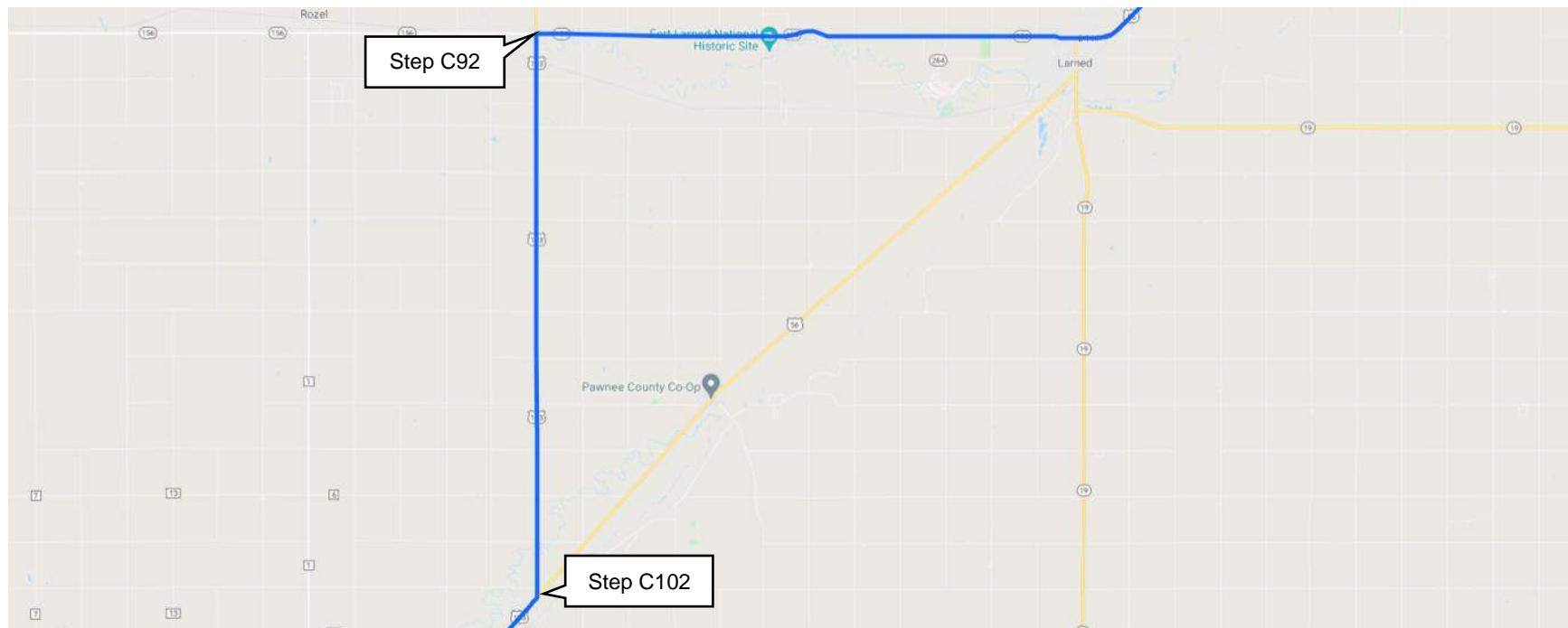


Great Bend Detail

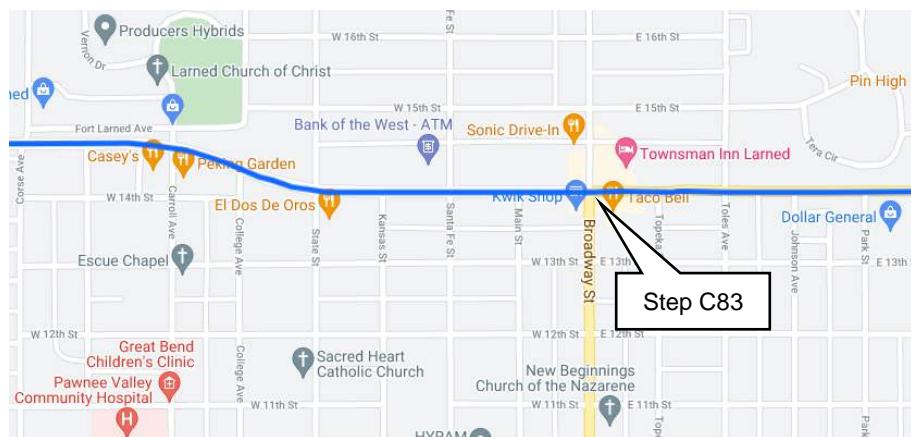


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 54	61.60	0.70				35		
C 55	61.90	0.30		SL for Frey St	2	30	curb	fuel
C 56	62.10	0.20		SL for pedestrian walkway	2	30	curb	
C 57	62.30	0.20		SL for Kansas Ave	2			
C 58	62.40	0.10		SL for US-281/Main St	2			
C 59	62.80	0.40		Odell St				
C 60	62.90	0.10		SL for Washington				
C 61	63.40	0.50		SL for Harrison St				
C 62	63.50	0.10		RR tracks				
C 63	63.70	0.20		SL for Grant St				food
C 64	63.90	0.20		SL for McKinley St		35		Hospital
C 65	64.20	0.30		SL for KS-96	2	35	curb	
C 66	64.90	0.70	TURN LEFT at STOP SIGN (All-Way) onto Patton Rd to follow US-56 West toward Larned and Pawnee Rock		1	45	paved	
C 67	65.10	0.20		8th St	1	45	paved	
C 68	65.40	0.30		2nd St				
C 69	65.90	0.50		Railroad Ave	1			
C 70	66.30	0.40			1	65	paved	
C 71	68.20	1.90		RR tracks	1	65	paved	
C 72	69.50	1.30		Turnoff for Radium	1	65	paved	
C 73	70.80	1.30		Passing through Dundee	1	65	paved	
C 74	76.60	5.80		Entering Pawnee Rock	1	40	paved	
C 75	76.90	0.30		Pawnee Rock Historical Marker to right				
C 76	77.20	0.30		Pawnee Rock Historical Marker/pulloff on left	1	65	paved	
C 77	79.70	2.50		70th Ave				
C 78	82.50	2.80		Sign for "Santa Fe Trail Center 5 miles west on KS-156"				
C 79	84.00	1.50		100th Ave				
C 80	84.40	0.40				55		

MCPHERSON, KS – DODGE CITY, KS



Larned Detail



Steps C90-C92

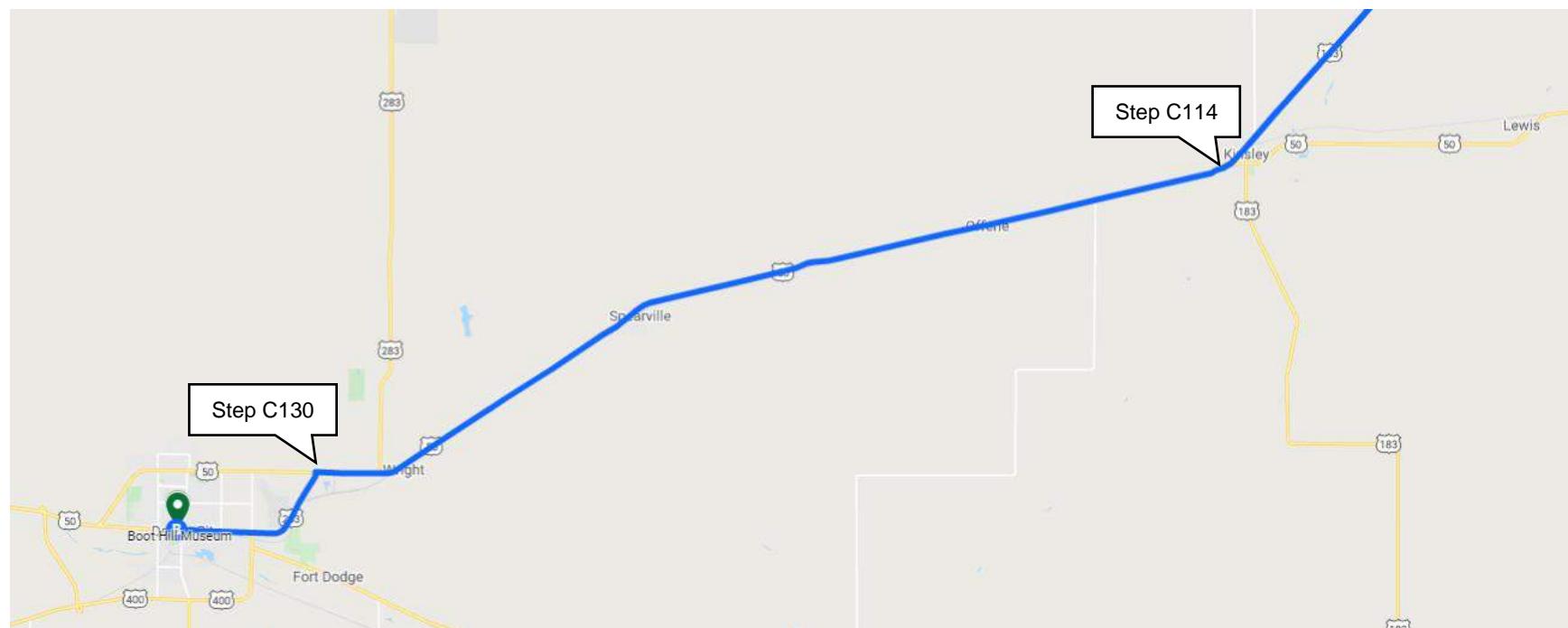


Steps C101-C102

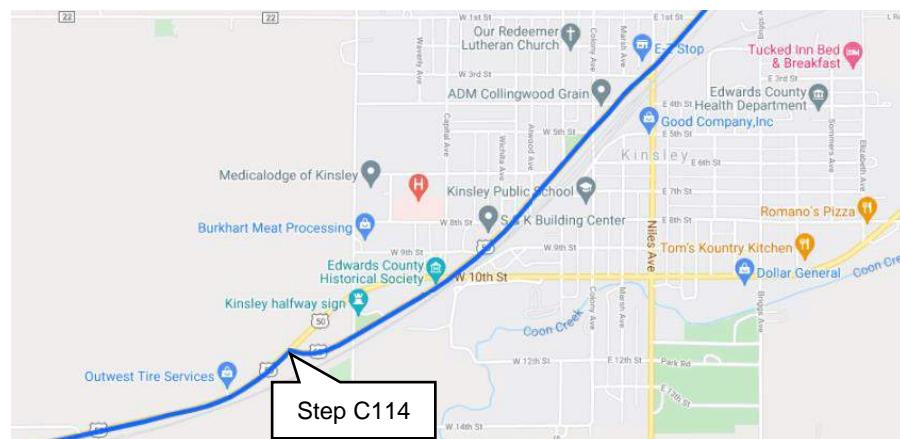


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 81	84.70	0.30	CONTINUE STRAIGHT on US-56 West/14th St/KS-156 West	Entering Larned	1	45	paved	All
C 82	85.00	0.30				30		
C 83	85.30	0.30	CONTINUE STRAIGHT at STOP SIGN & FLASHING RED LIGHT (All-Way) on KS-156 West/14th St	Stop Sign & flashing red light (all way) for Broadway St/US-56	2	30	curb	fuel, food
C 84	85.70	0.40		Carroll Ave, Hospital turnoff Right lane ends ahead		45		Hospital, fuel
C 85	86.10	0.40		120th Ave/Morris Ave		60		
C 86	86.30	0.20				65	none	
C 87	87.60	1.30		Santa Fe Trail Center on left				
C 88	88.10	0.50		Jct KS-264		65		
C 89	90.10	2.00		160th Ave				
C 90	91.80	1.70		Entrance for Fort Larned National Historic Site on left				
C 91	94.00	2.20		200th Ave				
C 92	97.00	3.00	TURN LEFT onto US-183 South toward Kinsley (follow sign for Santa Fe NHT Auto Tour)	*** Pay Attention! No Stop Sign! *** (cross traffic has stop sign)				
C 93	97.40	0.40		Cross Pawnee River				
C 94	97.60	0.20		RR tracks	1	65	mixed	
C 95	101.10	3.50		J Rd				
C 96	103.10	2.00		H Rd	1	65	grass	
C 97	104.40	1.30		Picnic area on left				
C 98	106.10	1.70		E Rd				
C 99	107.10	1.00		D Rd				
C 100	108.40	1.30		Cross Coon Creek				
C 101	109.10	0.70		B Rd				
C 102	109.30	0.20	TURN RIGHT at STOP SIGN onto US-56 West toward Kinsley	T-intersection, follow Santa Fe NHT Auto Tour sign				
C 103	110.30	1.00		Edwards County Line, Rd A	1	65	grass	
C 104	112.30	2.00		130th Ave	1	65		

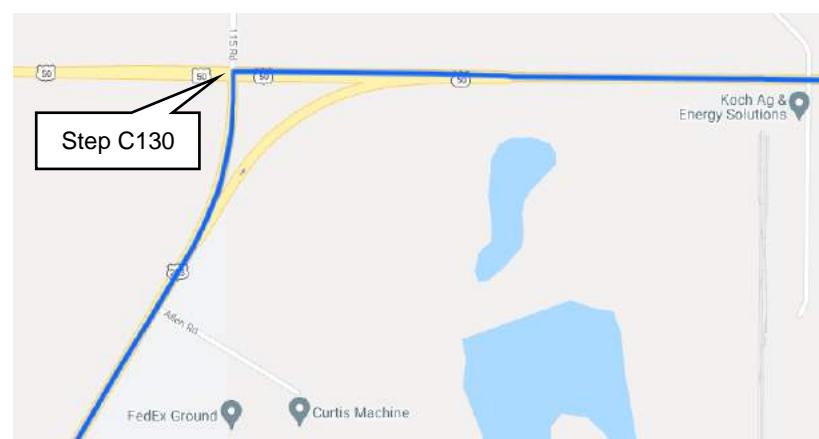
MCPHERSON, KS – DODGE CITY, KS



Kinsley Detail

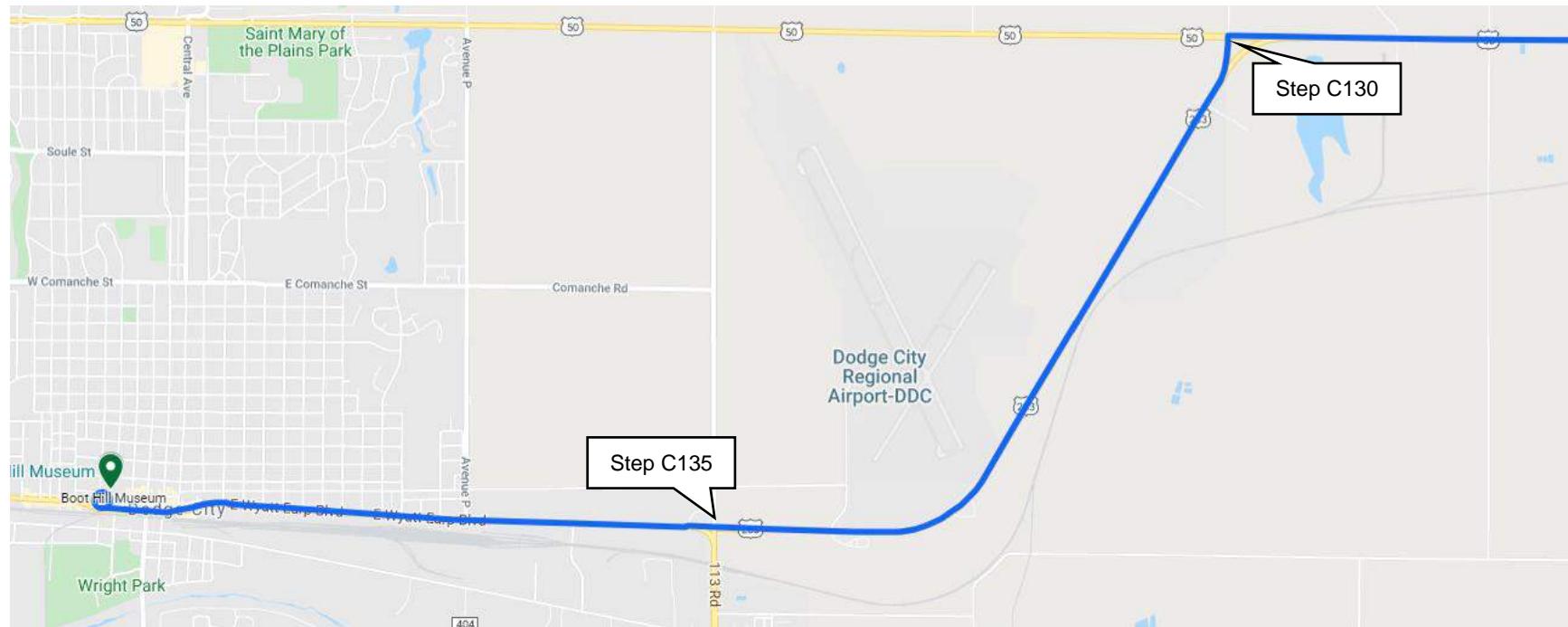


Steps C130-C131

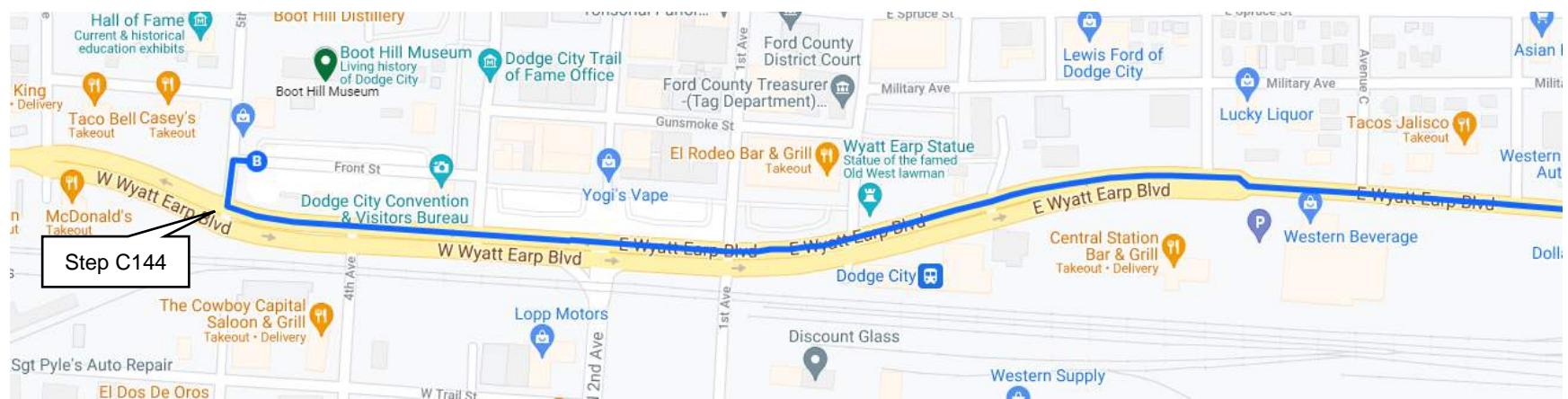


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 105	114.90	2.60		Cross Coon Creek				
C 106	116.70	1.80				55		
C 107	116.80	0.10		100th Ave				
C 108	117.00	0.20		Entering Kinsley		40		All
C 109	117.30	0.30				35		fuel
C 110	117.50	0.20		Winchester Ave, park on right, Massachusetts				
C 111	117.70	0.20		8th St, turnoff for Hospital				Hospital
C 112	117.90	0.20				40		
C 113	118.10	0.20		Sod House & Museum, big train on right				
C 114	118.30	0.20	TURN LEFT at STOP SIGN to follow US-56 West/US-50 West	T-intersection, CAUTION: Cross traffic does not stop!				
C 115	118.40	0.10		"Dodge City 33"	1	65	paved	
C 116	120.90	2.50		Passing lane for 1 mile	2	65	paved	
C 117	121.90	1.00		Passing lane ends				
C 118	123.00	1.10		CAUTION: rough road				
C 119	125.60	2.60		Entering Offerle	1	50		fuel
C 120	125.90	0.30		Park on right, Walnut St				
C 121	126.10	0.20		Passing by wind farm for many miles	1	65	paved	
C 122	130.50	4.40		132nd Rd/Bellefont Rd, "Windthorst 7" and "St Marys 7" turnoff	1	65	paved	
C 123	136.70	6.20		126th Rd, gas station on corner, scenic overlook turnoff				fuel
C 124	136.90	0.20		Entering Spearville	1	65	paved	
C 125	138.50	1.60		Foothill Rd				
C 126	140.20	1.70		Garrett Rd				
C 127	143.10	2.90		120 Rd				
C 128	145.50	2.40		118 Rd, turnoff for Wright on left				
C 129	146.60	1.10		Jct US-283, historical marker on right with picnic table	1	65	paved	fuel

MCPHERSON, KS – DODGE CITY, KS



Arrival at Dodge City Checkpoint



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 130	148.60	2.00	TURN LEFT onto US-283/US-56/Wyatt Earp Blvd toward Minneola Sublette	*** Pay Attention! No Stop Sign! ***	1	65		
C 131	148.90	0.30		Allen Rd				
C 132	149.20	0.30		Dodge City Industrial Park on left				
C 133	150.80	1.60		Overlook on left				
C 134	151.10	0.30		Entering Dodge City (big sign)	1			All
C 135	151.70	0.60	CONTINUE STRAIGHT	SL for Landfill Rd/113 Rd, Dodge City limit, gas station on corner	2	50	curb	
C 136	152.70	1.00		Avenue P	2	40		
C 137	153.10	0.40		Avenue H				
C 138	153.30	0.20		Avenue F		30		
C 139	153.60	0.30		Avenue B				
C 140	153.80	0.20		SL for 1st Ave				
C 141	153.90	0.10		SL 2nd Ave				
C 142	154.00	0.10		3rd Ave				
C 143	154.05	0.05		SL for 4th Ave				
C 144	154.10	0.05	TURN RIGHT onto 5th Ave		1		curb	
C 145	154.15	0.05	TURN RIGHT onto Front St		1			
C 146	154.20	0.05	TURN RIGHT into CHECKPOINT at Boot Hill Museum & Dodge City Convention & Visitor Bureau	Follow checkpoint crew instructions				



Boot Hill Museum – Dodge City, KS – Checkpoint



STAGE 2 SEGMENT D

AMERICAN SOLAR CHALLENGE 2021

Dodge City, KS – La Junta, CO

SUPPORT VEHICLE ROUTE OVERVIEW

(SAME AS SOLAR CAR ROUTE FOR THIS SEGMENT)



SUPPORT ROUTE – SAME AS SOLAR CAR ROUTE! – SUPPORT ROUTE

SUPPORT VEHICLE ROUTE

(SAME AS SOLAR CAR ROUTE FOR THIS SEGMENT)

Interval	Support Vehicle Directions	Notes
	Head east on W Spruce St toward 3rd Ave	
89 ft	Turn right at the 1st cross street onto 3rd Ave	Support route is the same as the solar car route to Bent's Old Fort NHS
646 ft	Turn right onto W Wyatt Earp Blvd	
2.43 mi	Continue straight onto US-50 BUS	
472 ft	Continue onto US-50 W	
47.0 mi	Take the ramp to Scott City/Lakin	
0.3 mi	Merge onto US-400 W/US-50 W/US-83 N Continue to follow US-50 W Entering Colorado	
103 mi	Turn right onto US-50 W/S Main St/U.S. 287 Continue to follow US-50 W	
35.0 mi	Take the CO-194 W exit toward Bents Fort	
856 ft	Continue onto CO-194 W	
13.3 mi	Turn left into main entrance for Bent's Old Fort NHS & immediately turn left into Support Parking	

Approx. 201 miles (3 hr, 22 min)

SUPPORT ROUTE – SAME AS SOLAR CAR ROUTE! – SUPPORT ROUTE

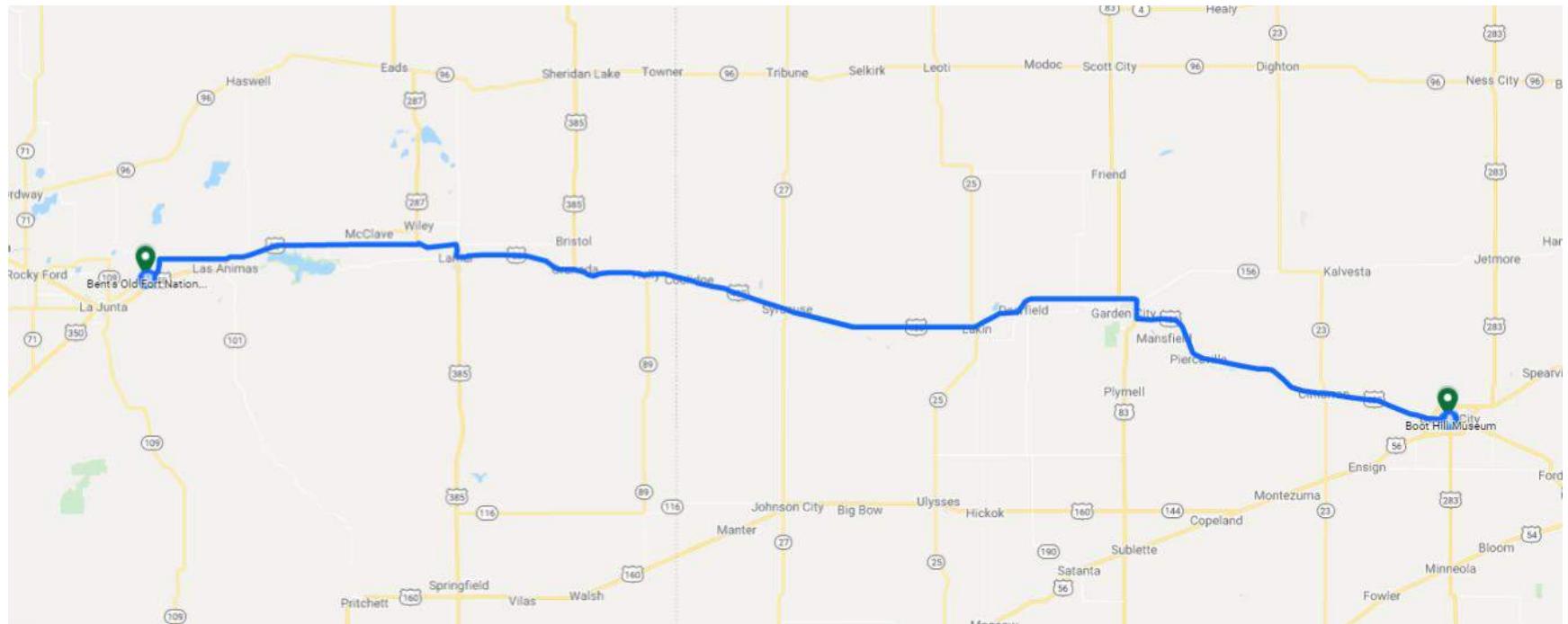


Boot Hill Museum – Dodge City, KS – Checkpoint



SOLAR CAR ROUTE OVERVIEW

DODGE CITY, KS – LA JUNTA, CO



DODGE CITY, KS – LA JUNTA, CO

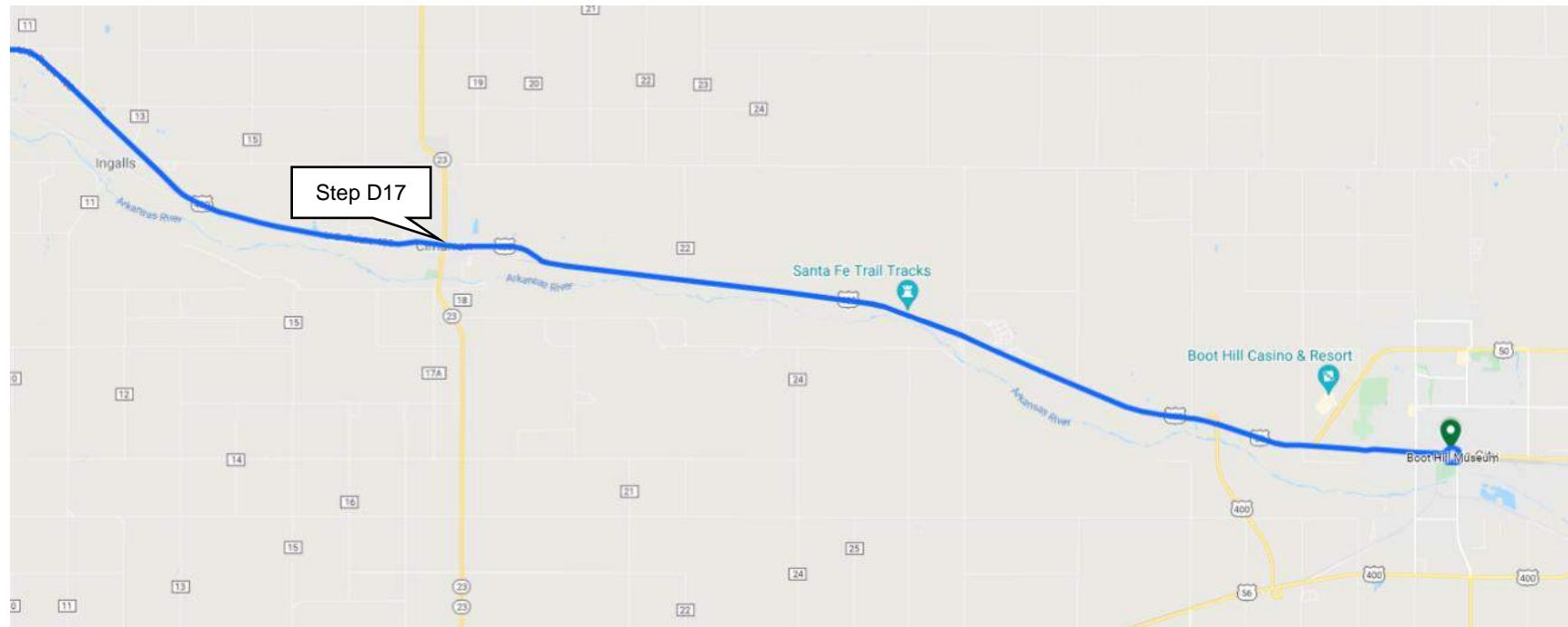
BASE LEG D

CHECKPOINT:
Boot Hill Museum
500 W Wyatt Earp Blvd, Dodge City, KS 67801

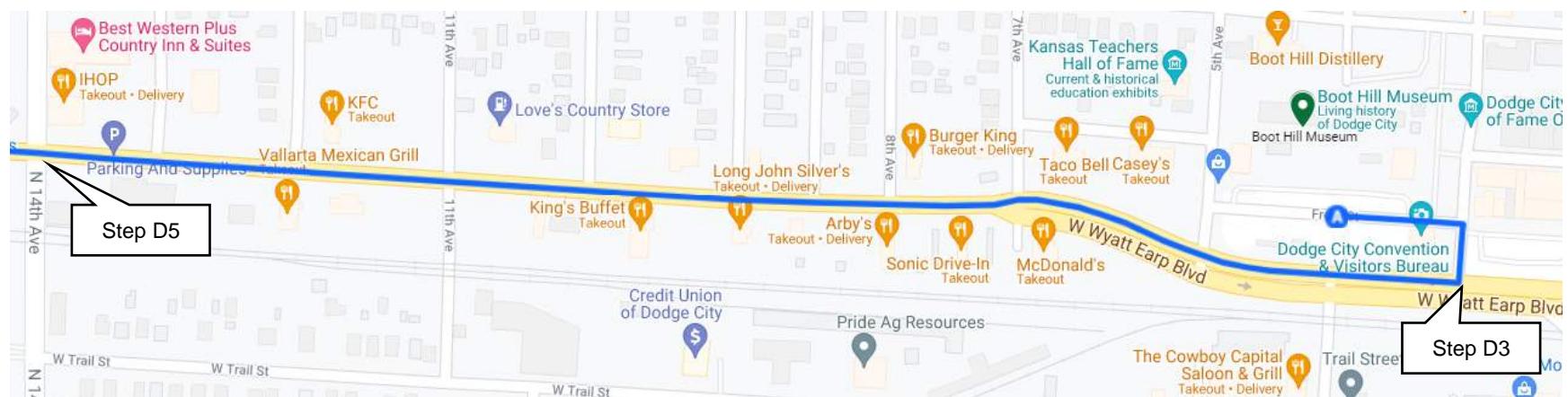
CHECKPOINT:
Bent's Old Fort National Historic Site
35110 CO-194, La Junta, CO 81050



DODGE CITY, KS – LA JUNTA, CO



Leaving Dodge City Checkpoint

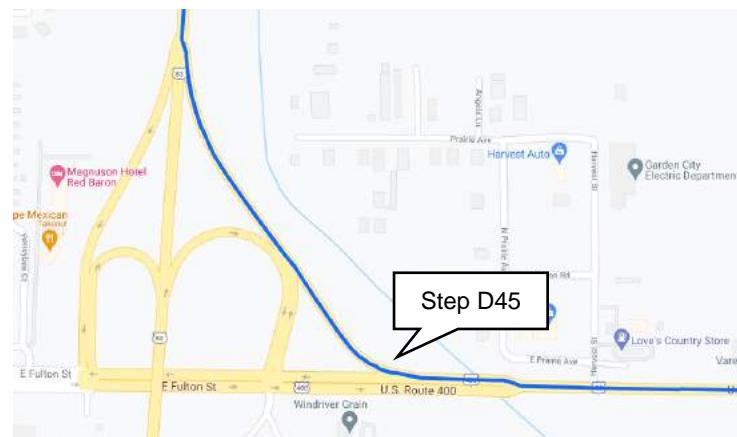


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 1	0.00		TURN RIGHT out of parking lot onto Front St					
D 2	0.05	0.05	TURN RIGHT at STOP SIGN on 3rd Ave		1		curb	
D 3	0.10	0.05	TURN RIGHT at STOP SIGN onto US-283/Wyatt Earp Blvd		2	30	curb	
D 4	0.20	0.10		SL for 4th Ave				
D 5	0.80	0.60		SL for 14th Ave, Hospital turnoff				Hospital
D 6	1.20	0.40		Overhill Rd, lights for pedestrian crosswalk				
D 7	1.60	0.40			2	40	curb	
D 8	1.90	0.30			2	55	paved	
D 9	2.50	0.60	CONTINUE STRAIGHT on US-50 West	Exit for US-50 East				
D 10	3.00	0.50			1	65	paved	
D 11	4.50	1.50		Jct US-400	1	65	paved	
D 12	10.20	5.70	CONTINUE STRAIGHT on US-50 West/US-400 West	Santa Fe Trail Tracks Historic Marker/pulloff area on right	1	65	paved	
D 13	17.60	7.40				55		
D 14	17.70	0.10		Entering Cimarron				
D 15	17.80	0.10				45		RV Park
D 16	18.30	0.50		SL for Fifth St	2	30	curb	food
D 17	18.60	0.30	CONTINUE STRAIGHT to follow Santa Fe Trail Mountain Route	SL for KS-23/Main St, Santa Fe NHT Cimarron Route splits here	2	30	curb	
D 18	18.90	0.30				40		
D 19	19.10	0.20		"Garden City 33" sign				
D 20	19.20	0.10		Right lane ends	1	50	paved	
D 21	19.50	0.30			1	65	paved	
D 22	22.00	2.50		Passing lane begins (for 1 mile)	2	65	paved	
D 23	23.10	1.10		Passing lane ends	1	65	paved	
D 24	24.30	1.20		Entering Ingalls Urban Boundary	1	65	paved	

DODGE CITY, KS – LA JUNTA, CO

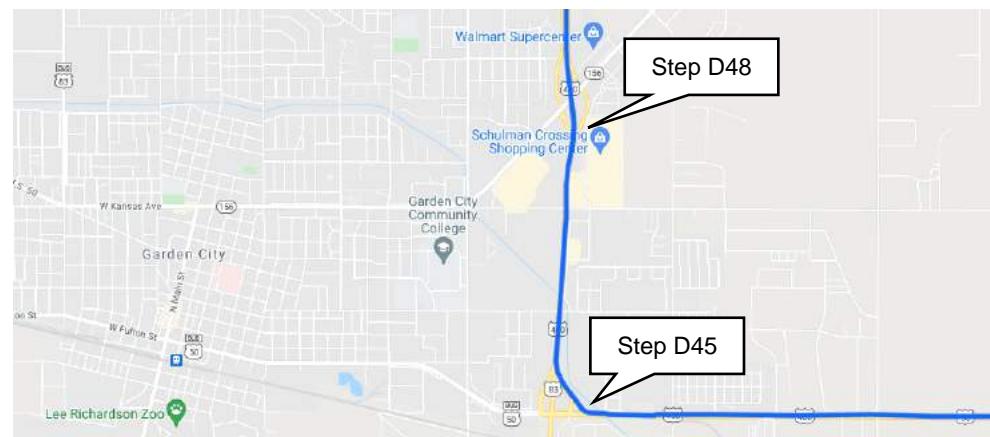


Step D45



Step D45

Steps D45-D48 (Garden City)

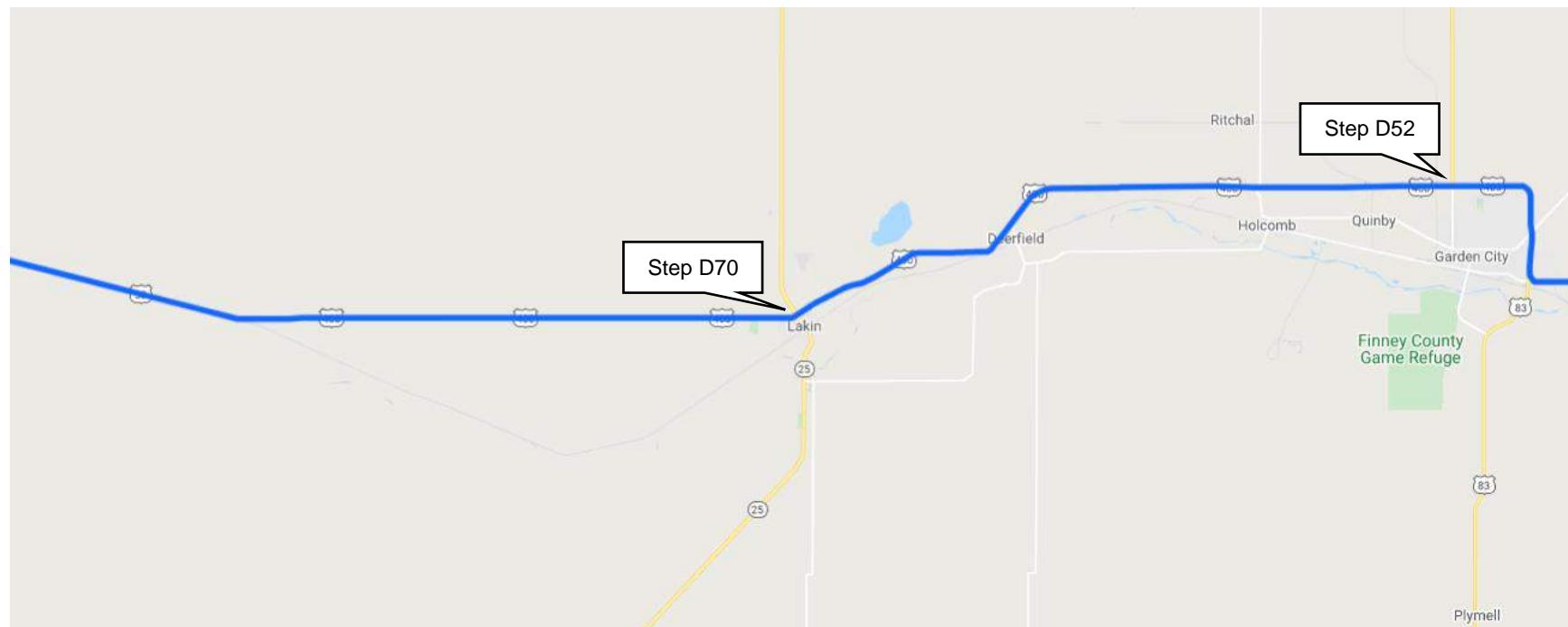


Step D48

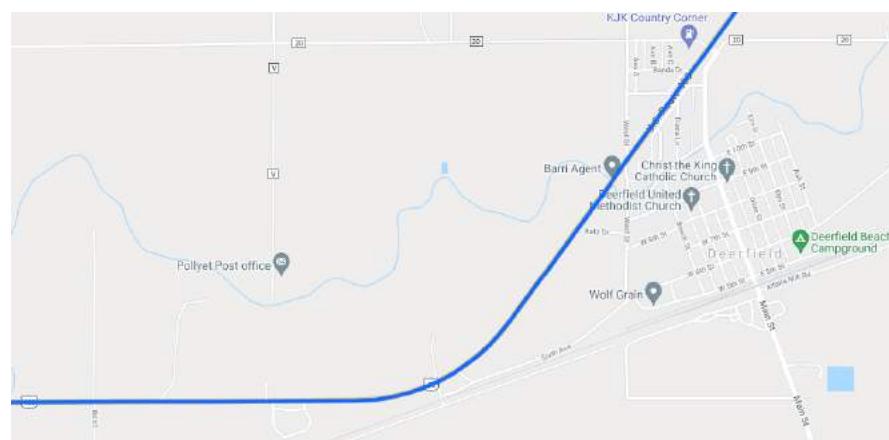
Step D45

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 25	24.70	0.40		Hwy 50 Chapel Country Church on left, 13 Rd	1	65	paved	
D 26	27.70	3.00		Ingalls Feed Yard on left	1	65	paved	
D 27	29.30	1.60		Rest Area on left	1	65	paved	
D 28	31.30	2.00		Passing through Charleston	1	65	paved	none
D 29	32.50	1.20		Passing lane begins (for 1 mile)	1	65	paved	
D 30	33.60	1.10		Passing lane ends	1	65	paved	
D 31	37.30	3.70		1 Rd, Finney County Line	1	65	paved	
D 32	37.60	0.30	CONTINUE STRAIGHT on US-50 / US-400	Entering Pierceville	1	65	paved	none
D 33	38.50	0.90		Santa Fe NHT Auto Tour Mountain Route sign				
D 34	39.60	1.10		Yucca Dr on right				
D 35	40.30	0.70		Divided Highway begins	2	65	paved	
D 36	41.30	1.00		Garden City Regional Airport on left				
D 37	41.70	0.40		Exit for Air Base Rd on right				
D 38	44.30	2.60		Pole Line Rd	2	65	paved	
D 39	45.30	1.00		16 Mile Rd				
D 40	46.30	1.00		Raceway Rd				
D 41	47.10	0.80		Divided Highway ends	2	65	paved	
D 42	47.60	0.50		Entering Garden City	2	65	paved	All
D 43	48.20	0.60		SL for Farmland Rd	2	45	paved	
D 44	49.30	1.10		SL for Jennie Barker Rd	2	45	paved	fuel
D 45	49.70	0.40	TAKE RIGHT EXIT for US-50 West / US-400 West / US-83 North	Take ramp before light				
D 46	50.20	0.50		SL for Spruce St	1	55		
D 47	50.70	0.50		SL for Schulman Ave	1			fuel
D 48	51.00	0.30		Exit for KS-156 for Kansas Ave and Mary St	1	55	paved	
D 49	53.00	2.00	Continue on US-83 West/US-50 West/ US-400 West	Campus Dr	1	55	paved	

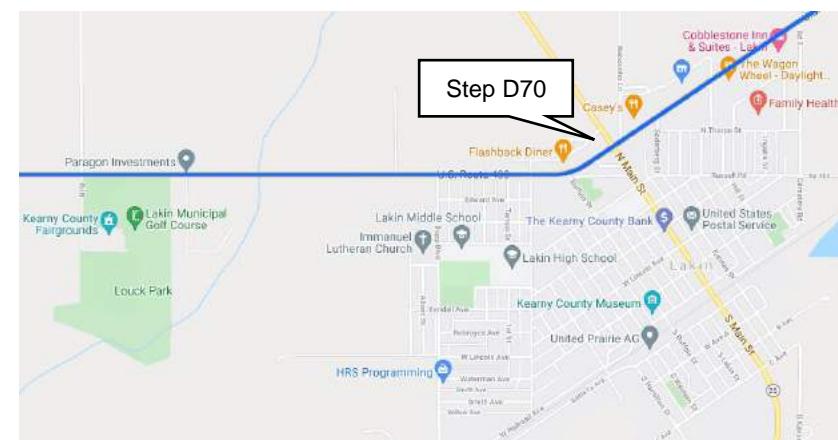
DODGE CITY, KS – LA JUNTA, CO



Deerfield Detail

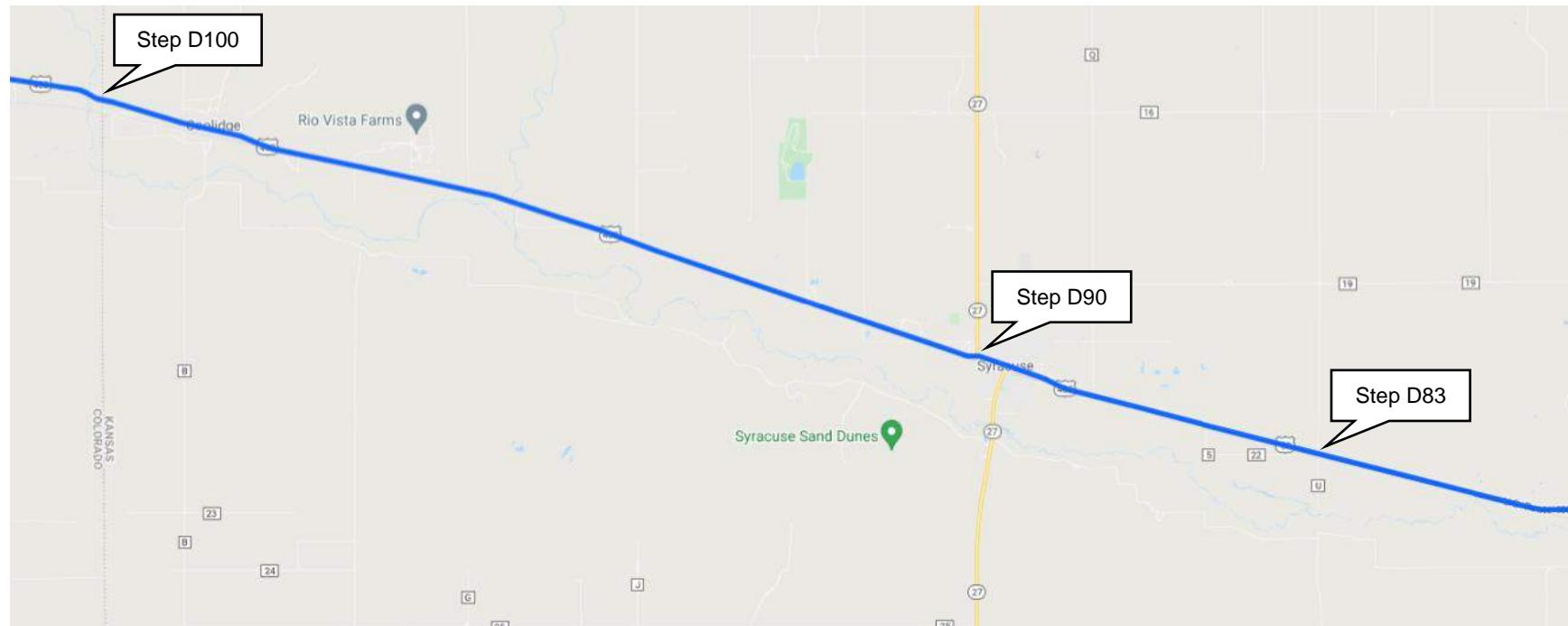


Lakin Detail

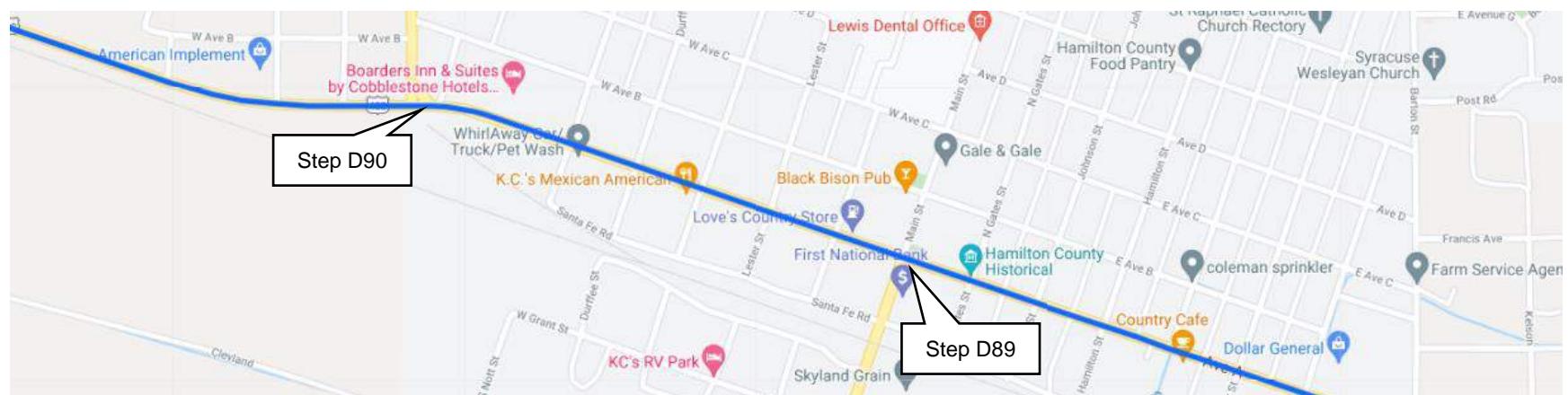


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 50	53.80	0.80		Divided Highway begins	2		paved	
D 51	54.30	0.50				70	paved	
D 52	54.80	0.50	Continue on US-50 West/US-400 West	Exit for US-83 North / Garden City / Scott City	2	70	paved	
D 53	56.00	1.20		Vfw Rd	2	70	paved	
D 54	57.00	1.00		Anderson Rd	2	70	paved	
D 55	57.50	0.50		RR tracks	2	70	paved	
D 56	59.00	1.50		Chmelka Rd				
D 57	60.90	1.90		Exit for Big Lowe Rd / IBP Rd & Love's Truck Stop/Subway	2	70	paved	fuel, food
D 58	61.90	1.00			2	65	paved	
D 59	62.00	0.10		Divided Highway ends	2	65	paved	
D 60	62.90	0.90		Tyson Finney County Kansas Plant on left	2	65		
D 61	63.10	0.20		Passing lane ends	1	65	paved	
D 62	66.00	2.90		Byrd Rd	1	65	paved	
D 63	67.70	1.70		Welcome to Kearney County sign	1	65	paved	
D 64	69.20	1.50		Entering Deerfield	1	55	paved	fuel
D 65	69.60	0.40		"Lakin 7"	1	65	paved	
D 66	72.40	2.80		Historical Marker on right	1	65	paved	
D 67	73.50	1.10		Rd V5	1	65	paved	
D 68	76.10	2.60			2	55	grass	
D 69	76.30	0.20		Entering Lakin	2	40	curb	All, Hospital
D 70	76.80	0.50		Jct KS-25	2		curb	
D 71	77.30	0.50		"Syracuse 27"	1	55	paved	
D 72	77.60	0.30			1	65	paved	
D 73	78.00	0.40		Passing lane begins	2			
D 74	78.30	0.30		Loucks Municipal Park on left	2			
D 75	78.60	0.30		Passing lane ends	1	65	paved	
D 76	81.60	3.00		Passing lane begins (for 1 mile)	2	65	paved	

DODGE CITY, KS – LA JUNTA, CO

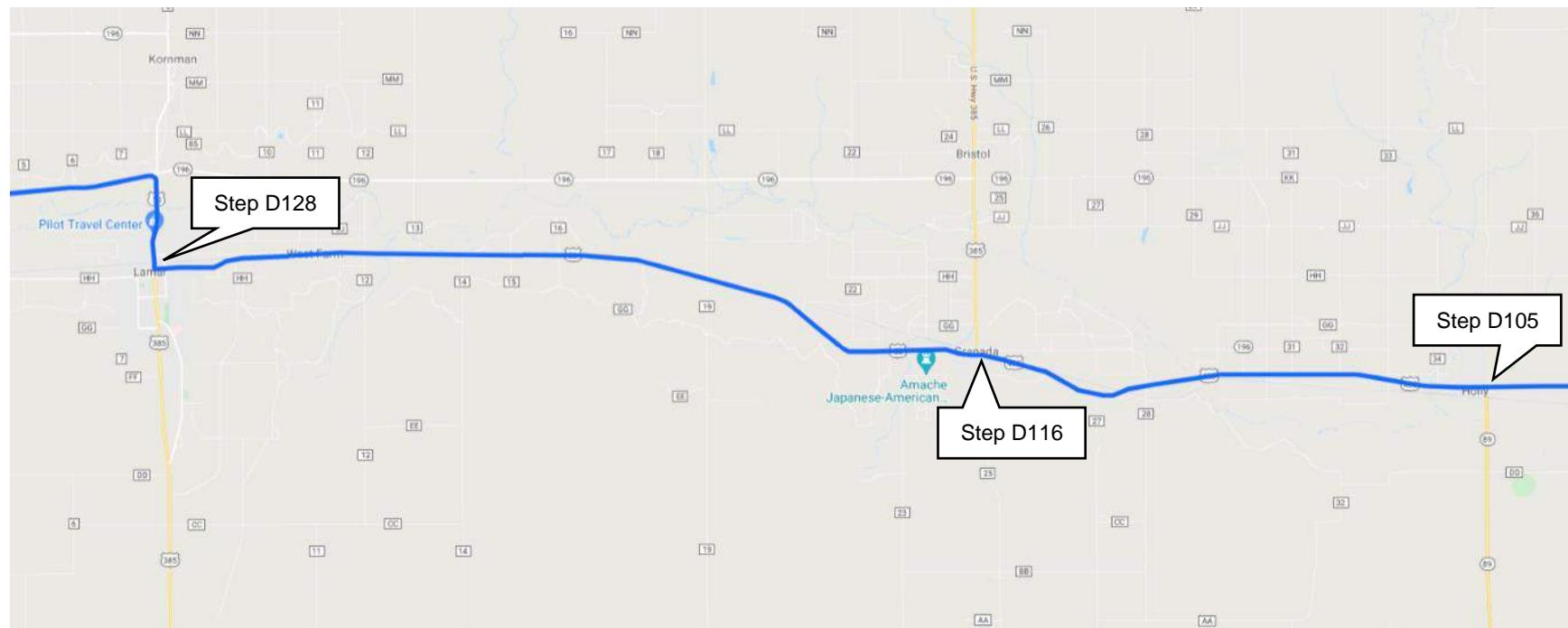


Syracuse Detail

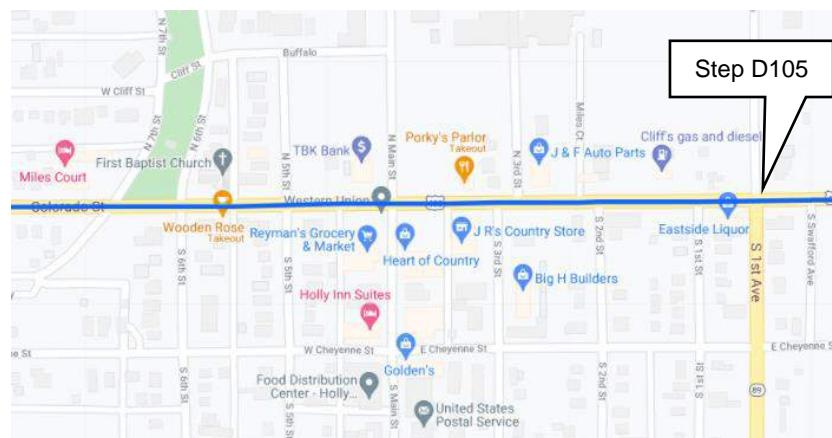


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 77	82.80	1.20		Passing lane ends	1	65	paved	
D 78	83.30	0.50		K Rd	1	65	paved	
D 79	90.40	7.10		Passing lane begins (for 0.5 mile)	2	65	paved	
D 80	91.00	0.60		Passing lane ends	1	65	paved	
D 81	92.30	1.30	Continue on US-50 West/US-400 West	Rd A, turnoff for Kendall, ***mountain time zone begins***	1	65	paved	
D 82	96.60	4.30		Original Santa Fe NHT Trail next 3 miles	1	65	paved	
D 83	98.40	1.80		Rd U	1	65	paved	
D 84	100.40	2.00		Rd S	1	65	paved	
D 85	102.60	2.20		John Deere Plant & Syracuse Feed Yard on right	1	65	paved	
D 86	103.20	0.60				55		
D 87	103.50	0.30		Entering Syracuse	2	40	curb	All, Hospital
D 88	103.80	0.30				35		
D 89	104.10	0.30		SL for Main St/KS-27 South	2	35	curb	fuel
D 90	104.60	0.50		KS-27 North turnoff on right	1	55	paved	
D 91	104.90	0.30			1	65	paved	
D 92	105.20	0.30		Santa Fe NHT original trail next 5 miles	1	65	paved	
D 93	107.70	2.50		Rd M, Hamilton Wildlife area turnoff	1	65	paved	
D 94	110.90	3.20		Rd J	1	65	paved	
D 95	118.30	7.40		Entering Coolidge	1	55	paved	
D 96	118.60	0.30		Historical Marker on left, gravel pulloff with picnic bench on right	1	45	gravel	
D 97	118.80	0.20		Western Trail Café on right, Trail City B&B	1	45	gravel	
D 98	119.10	0.30			1	55	paved	
D 99	119.30	0.20		"Holly, CO 6"	1	65	paved	
D 100	120.80	1.50		Entering Colorado, Welcome to Colorful Colorado	1	65	paved	

DODGE CITY, KS – LA JUNTA, CO

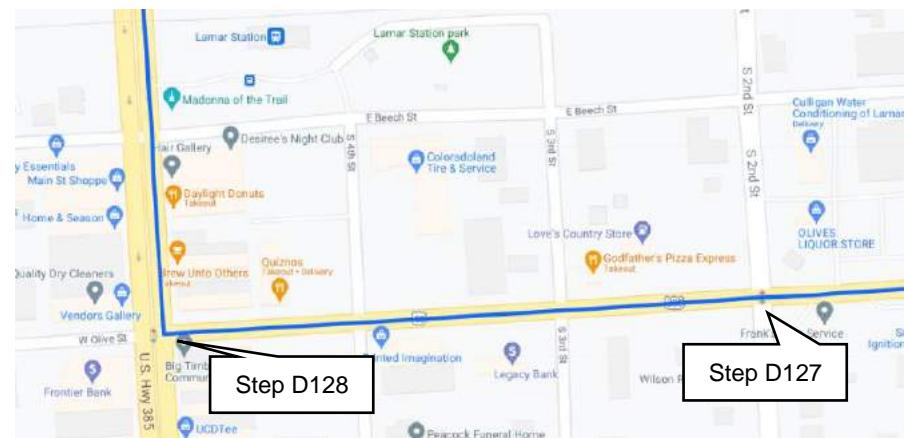


Step D105 (Holly)



Step D105

Steps D126-D128 (Lamar)



Step D128

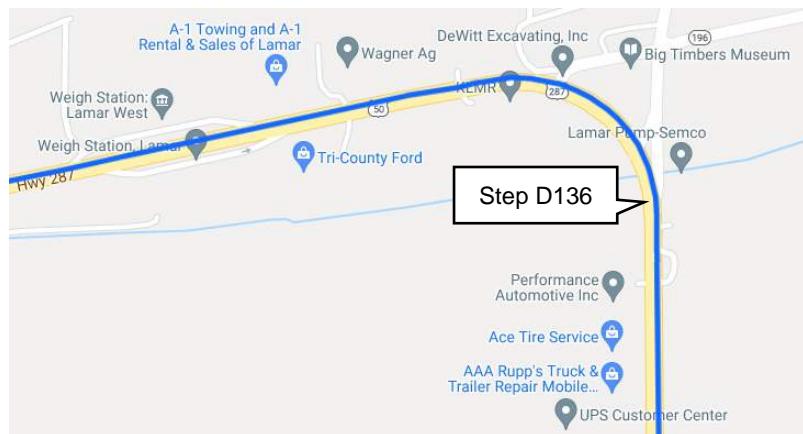
Step D127

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 101	121.30	0.50		Rest Area on left	1	65	paved	
D 102	121.90	0.60		Pulloff on right	1	65	paved	
D 103	124.50	2.60				55		
D 104	124.70	0.20				40		
D 105	124.80	0.10		Entering Holly , CO-89 turnoff on left	1	30	paved	All
D 106	125.70	0.90		"Granada 11"		55		
D 107	126.20	0.50				65		
D 108	126.90	0.70		Race Track entrance on left	1	65	paved	
D 109	128.40	1.50		Santa Fe Trail Auto Tour Route sign	1	65	paved	
D 110	129.90	1.50		CR 30/CO-196, Hartman turnoff				
D 111	130.80	0.90		Cross Arkansas River	1	65	paved	
D 112	132.30	1.50		Bridge over RR tracks, BNSF Railway				
D 113	134.70	2.40				55		
D 114	135.00	0.30		Entering Granada	1	45	paved	
D 115	135.10	0.10				35		
D 116	135.50	0.40		Jct US-385/Main St		35		
D 117	135.80	0.30			1	55	paved	
D 118	136.30	0.50		"Lamar 17"	1	65	paved	
D 119	137.40	1.10		CR 22.5	1	65	paved	
D 120	141.40	4.00		Passing through Carlton	1	65	paved	
D 121	146.30	4.90		MM 442				
D 122	147.30	1.00	CONTINUE STRAIGHT on US-50 West / US-385 West	CR 13	1	65	paved	
D 123	151.10	3.80				55		
D 124	151.50	0.40				40		
D 125	151.80	0.30		SL for Walmart	2	35	curb	Walmart
D 126	151.90	0.10		Entering Lamar	2	35	curb	All
D 127	152.50	0.60		SL for Second	2	30		fuel
D 128	152.80	0.30	TURN RIGHT at SL to follow US-50 West & US-287 North toward La Junta	Signage for Santa Fe Trail Auto Tour Route & Santa Fe Trail Scenic Byway	2		curb	

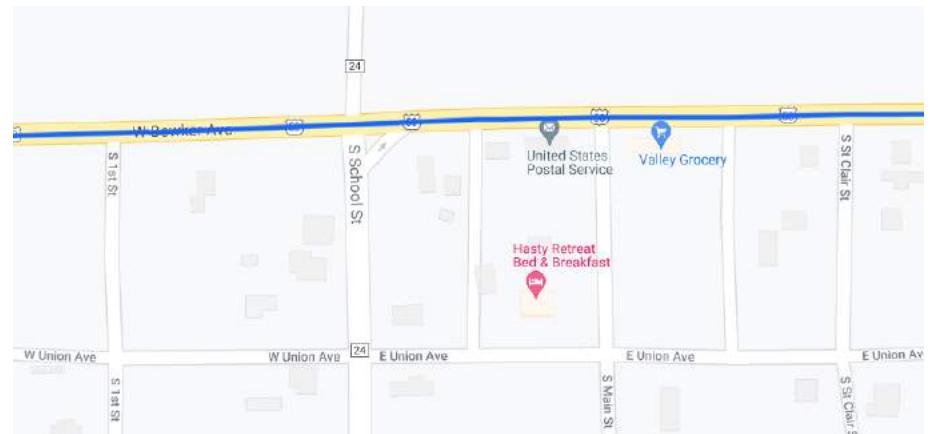
DODGE CITY, KS – LA JUNTA, CO



Steps D136-D137 (Lamar)

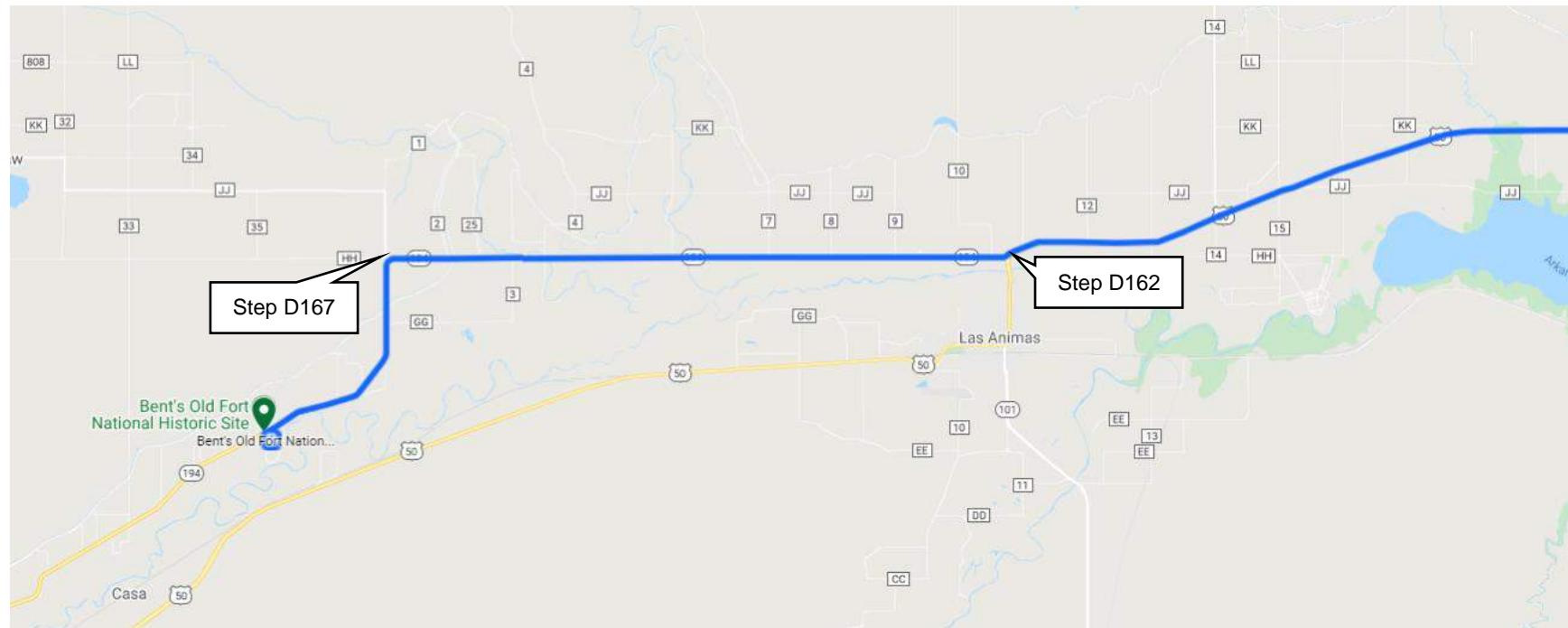


Step D150 (Hasty)



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 129	152.85	0.05		Beech St, train & Madonna of the Trail statue on right				
D 130	152.90	0.05		RR tracks				
D 131	153.00	0.10		SL for Maple St	2	30	parking	
D 132	153.30	0.30		2 SL for Lamar Canal Rd and Ave Colonia				
D 133	153.50	0.20		Anderson St		35		
D 134	153.70	0.20		Crystal St				
D 135	154.00	0.30		Cross Arkansas River	2	50		
D 136	154.60	0.60	CURVE LEFT TO FOLLOW US-50/US-287	Big Timbers Museum on right	2		paved	
D 137	155.10	0.50		Weigh Station	2	50	paved	
D 138	155.80	0.70		"La Junta 52"	2	55	paved	
D 139	156.40	0.60		CR 6	2	65	grass	
D 140	157.40	1.00		CR 5	2	65	grass	
D 141	158.60	1.20		CR 3.75	2	65	paved	
D 142	160.20	1.60	CONTINUE STRAIGHT on US-50 West for La Junta	Exit for US-287 North toward Limon	2	65	paved	
D 143	161.40	1.20		Divided Hwy ends	1	65	paved	
D 144	162.50	1.10		Turnoff for Bent's New Fort on left	1	65	paved	
D 145	164.40	1.90		Cross East Graveyard Creek	1	65	paved	
D 146	164.90	0.50		Cross Graveyard Creek	1	65	paved	
D 147	167.40	2.50		Jct CO-196 East on right	1	65	paved	
D 148	172.80	5.40			1	55		
D 149	173.10	0.30			1	45		
D 150	173.20	0.10		Entering Hasty	1	45	paved	
D 151	173.50	0.30			2	65	paved	
D 152	175.40	1.90		Passing lane ends	1	65	paved	
D 153	178.30	2.90		CR 19	1			
D 154	182.10	3.80		Mile Marker 406	1			
D 155	183.20	1.10		Divided hwy begins	2	65	paved	

DODGE CITY, KS – LA JUNTA, CO



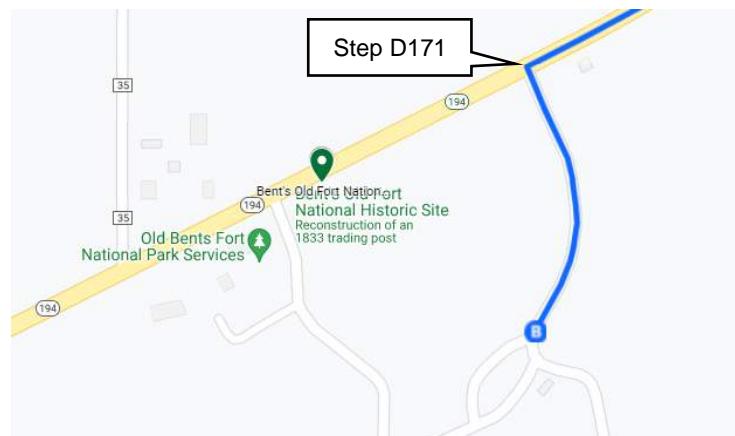
Steps D162-D163



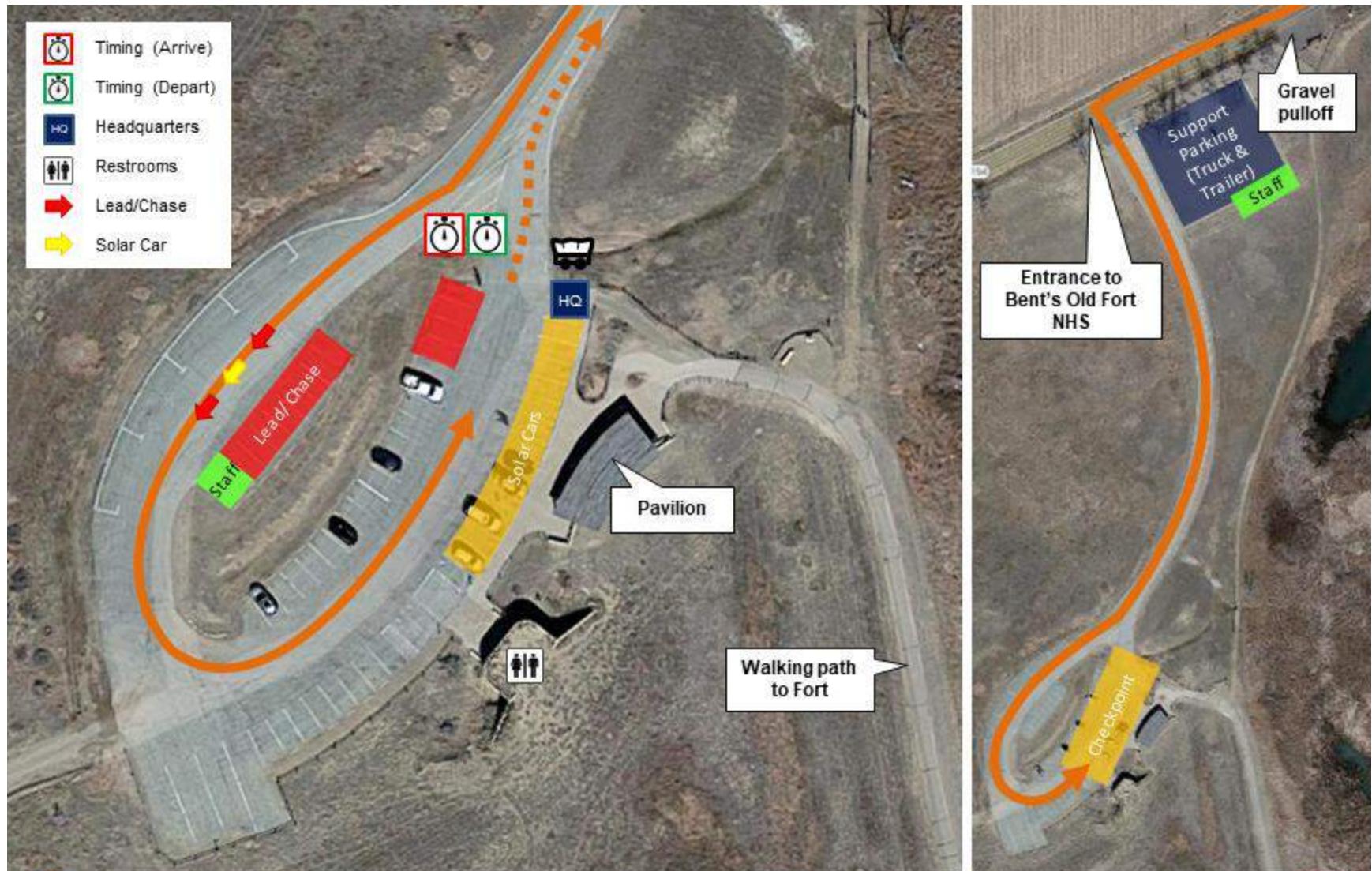
Step D167



Arriving at Bent's Old Fort NHS



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 156	183.40	0.20		Jct CO-183, CR 15	2	65	paved	
D 157	184.60	1.20		CR 14/Blue Lake	2	65	paved	
D 158	185.60	1.00		CR 13	2	65	paved	
D 159	186.60	1.00		CR 12				
D 160	187.30	0.70				55		
D 161	187.50	0.20			2	45		
D 162	187.80	0.30	EXIT RIGHT for CO-194 West toward "Bents Old Fort Natl Hist Site"					
D 163	187.90	0.10	MERGE onto CO-194 West	"Bent's Fort 13"	1	65	grass	
D 164	191.80	3.90		Mile Marker 16				
D 165	193.10	1.30		CR 5.5, Las Animas State Fish Hatchery & Rearing Unit turnoff				
D 166	197.20	4.10				55		
D 167	197.50	0.30	CURVE LEFT to follow CO-194 West	Turnoff for Cheraw	1	55	grass	
D 168	198.50	1.00		CR GG				
D 169	199.00	0.50		CR 37	1	55	grass	
D 170	201.10	2.10		Pulloff for Bent's Old Fort National Historic Site, photo spot				
D 171	201.20	0.10	TURN LEFT into Bent's Old Fort National Historic Site main entrance	Cattle guard at entrance! Follow road to checkpoint & follow checkpoint crew instructions		15		



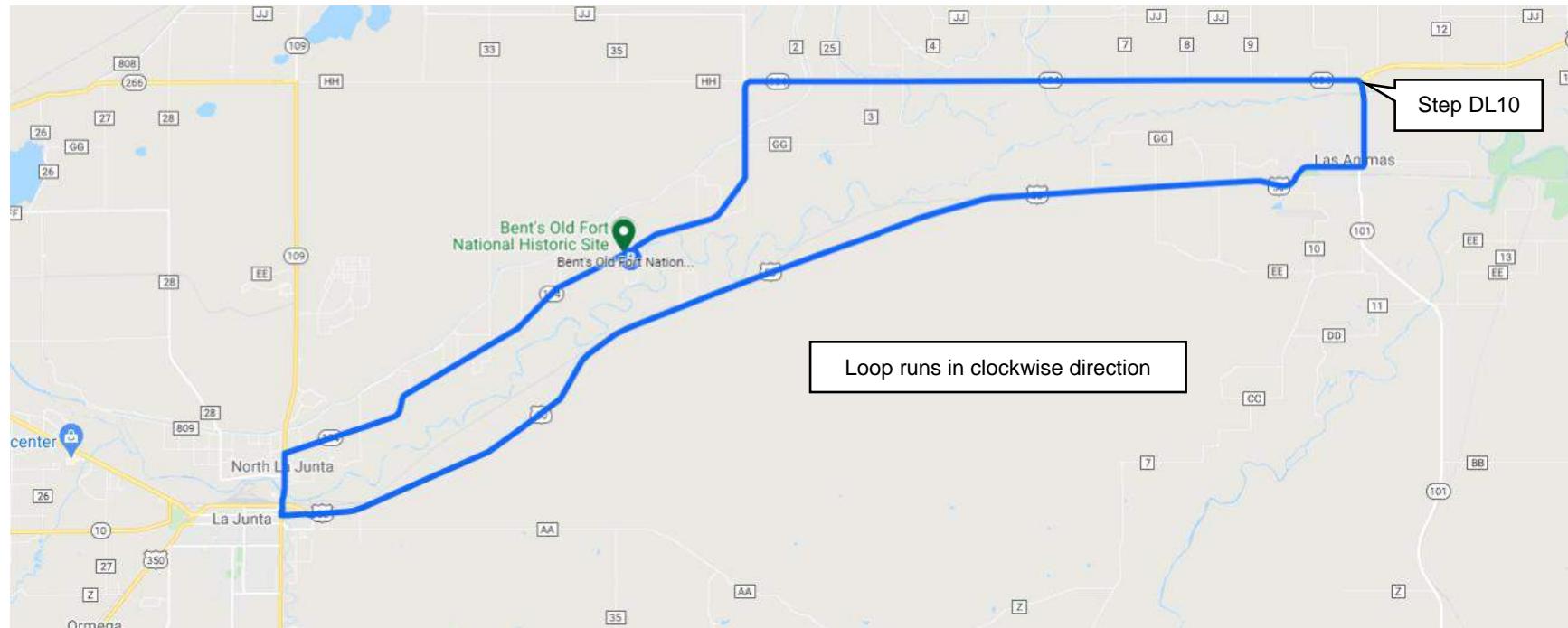
Bent's Old Fort National Historic Site – La Junta, CO – Checkpoint



STAGE 2
OPTIONAL LOOP
(SEGMENT D LOOP)
LA JUNTA

AMERICAN SOLAR CHALLENGE 2021

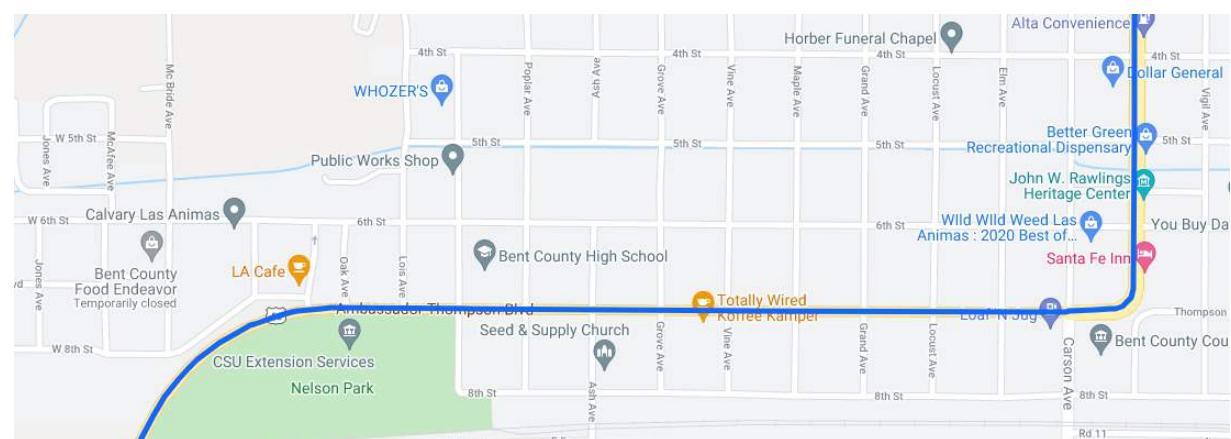
LA JUNTA OPTIONAL LOOP



Steps DL10-DL11

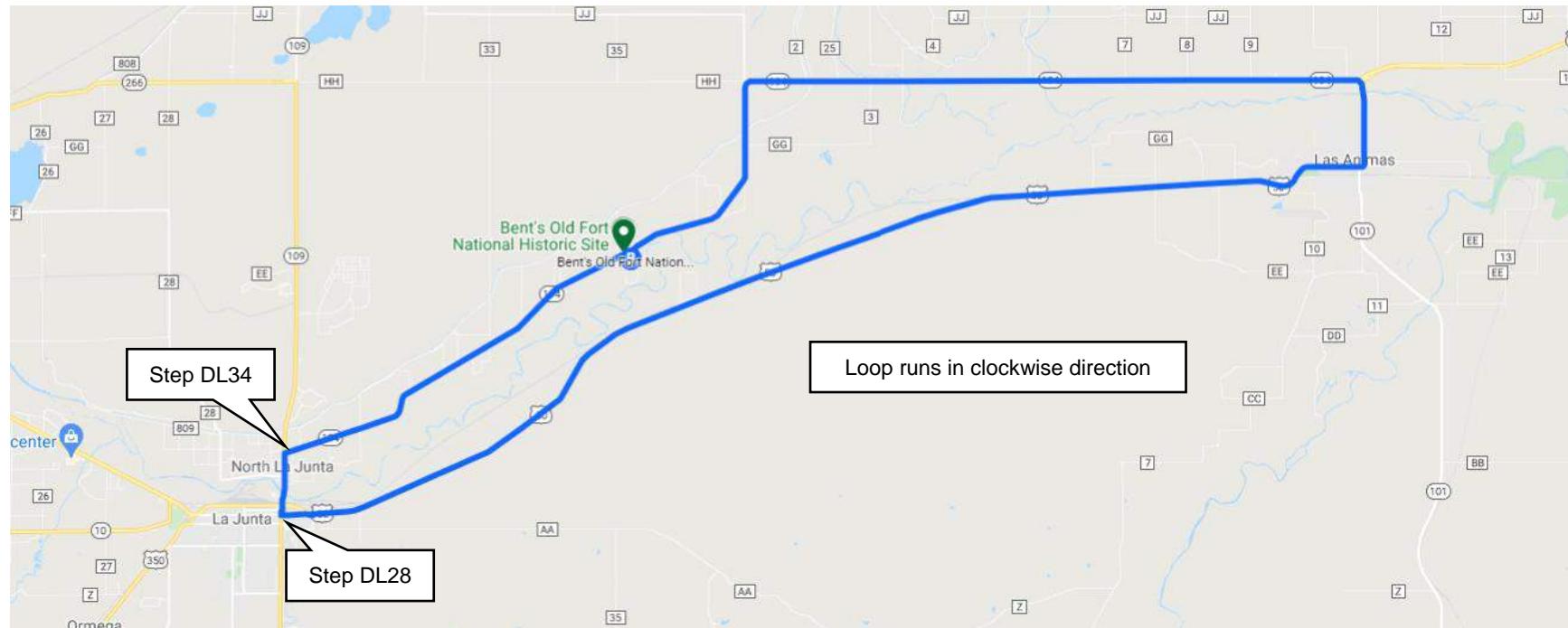


Las Animas Detail

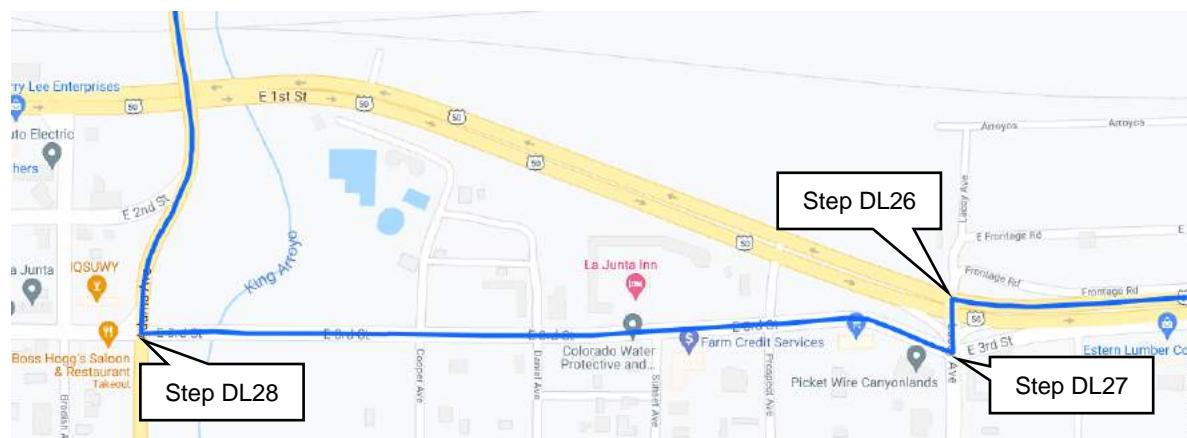


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
DL 1	0.00		TURN RIGHT at STOP SIGN onto CO-194		1	55		
DL 2	0.10	0.10		Pulloff for Bent's Old Fort National Historic Site, photo spot				
DL 3	1.50	1.40		CR FF	1	55	grass	
DL 4	2.30	0.80		CR 37	1		grass	
DL 5	2.80	0.50		CR GG	1			
DL 6	3.80	1.00	CURVE RIGHT to follow CO-194	Cheraw turnoff	1			
DL 7	4.10	0.30			1	65		
DL 8	10.60	6.50		Mile Marker 17	1	65		
DL 9	12.80	2.20		Gravel pulloff on right				
DL 10	13.40	0.60	EXIT RIGHT for US-50 West towards Las Animas					
DL 11	13.60	0.20		Cross Arkansas River	2			
DL 12	13.80	0.20		Entering Las Animas	2	35		
DL 13	14.00	0.20		Sinclair station and large pulloff on right				
DL 14	14.60	0.60		SL for 6th St, then curve right to follow US-50				DQ
DL 15	14.80	0.20		"Santa Fe Trail Boggsville Historic Site 2 miles" to left sign				
DL 16	15.50	0.70				45		
DL 17	15.80	0.30		Bridge over RR tracks	1			
DL 18	16.50	0.70				65		
DL 19	17.40	0.90		CR 8.25				
DL 20	20.10	2.70		CR 5.5				
DL 21	25.10	5.00		Enter Otero County		65	paved	
DL 22	25.90	0.80		CR 36, Oxbow State Wildlife Area				
DL 23	27.40	1.50		Begin divided highway	2	65	paved	
DL 24	32.30	4.90				55		

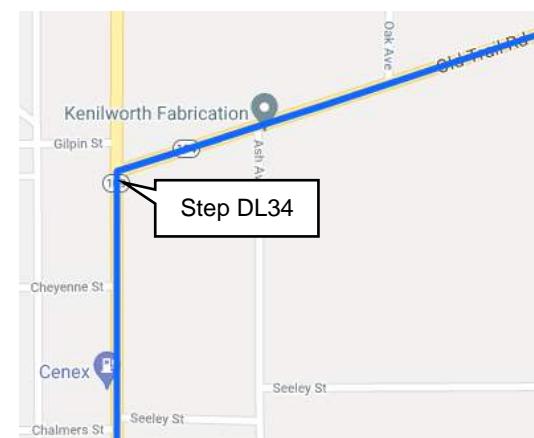
LA JUNTA OPTIONAL LOOP



Steps DL26-DL29 (La Junta)



Steps DL33-DL35



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
DL 25	32.60	0.30				45		
DL 26	32.70	0.10	TURN LEFT onto Lacey Ave for US Forest Service Comanche Natl Grassland Info (use left turn lane)	*** Pay Attention! *** *** No SL/Stop Sign! *** Entering La Junta , Welcome to "The Junction" on opposite corner	2	45	grass	
DL 27	32.75	0.05	IMMEDIATE RIGHT TURN onto 3rd St in front of the Forest Service Office		1	30		
DL 28	33.20	0.45	TURN RIGHT at STOP SIGN (All-Way) onto CO-109 North / Adams Ave			35		
DL 29	33.50	0.30		Cross over US-50 and RR tracks	1	35		
DL 30	33.60	0.10		Cross over Arkansas River				
DL 31	33.70	0.10		Vine St				fuel
DL 32	33.90	0.20		Church St				
DL 33	34.00	0.10		Seeley St				
DL 34	34.20	0.20	TURN RIGHT onto Trail Rd/CO-194 East for Bents Fort		1	35		
DL 35	34.40	0.20		Ash Ave on right				
DL 36	34.60	0.20				55		
DL 37	35.00	0.40		Fruit Ave				
DL 38	36.40	1.40		CR 31.75				
DL 39	40.50	4.10		Bent's Old Fort service entrance on right				
DL 40	40.70	0.20	TURN RIGHT into Bent's Old Fort National Historic Site entrance	Cattle guard on entrance! Follow road to checkpoint & follow checkpoint crew instructions				

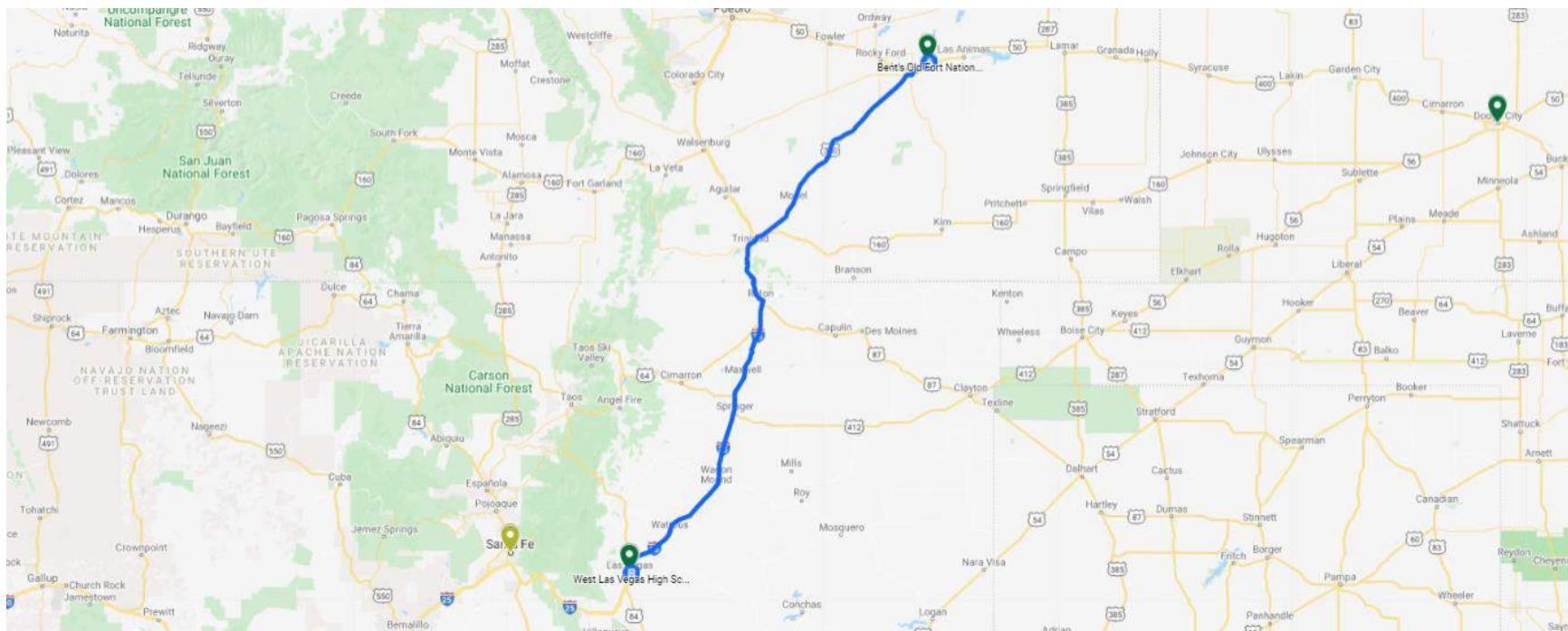
STAGE 2 SEGMENT E

AMERICAN SOLAR CHALLENGE 2021

La Junta, CO – Las Vegas, NM

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

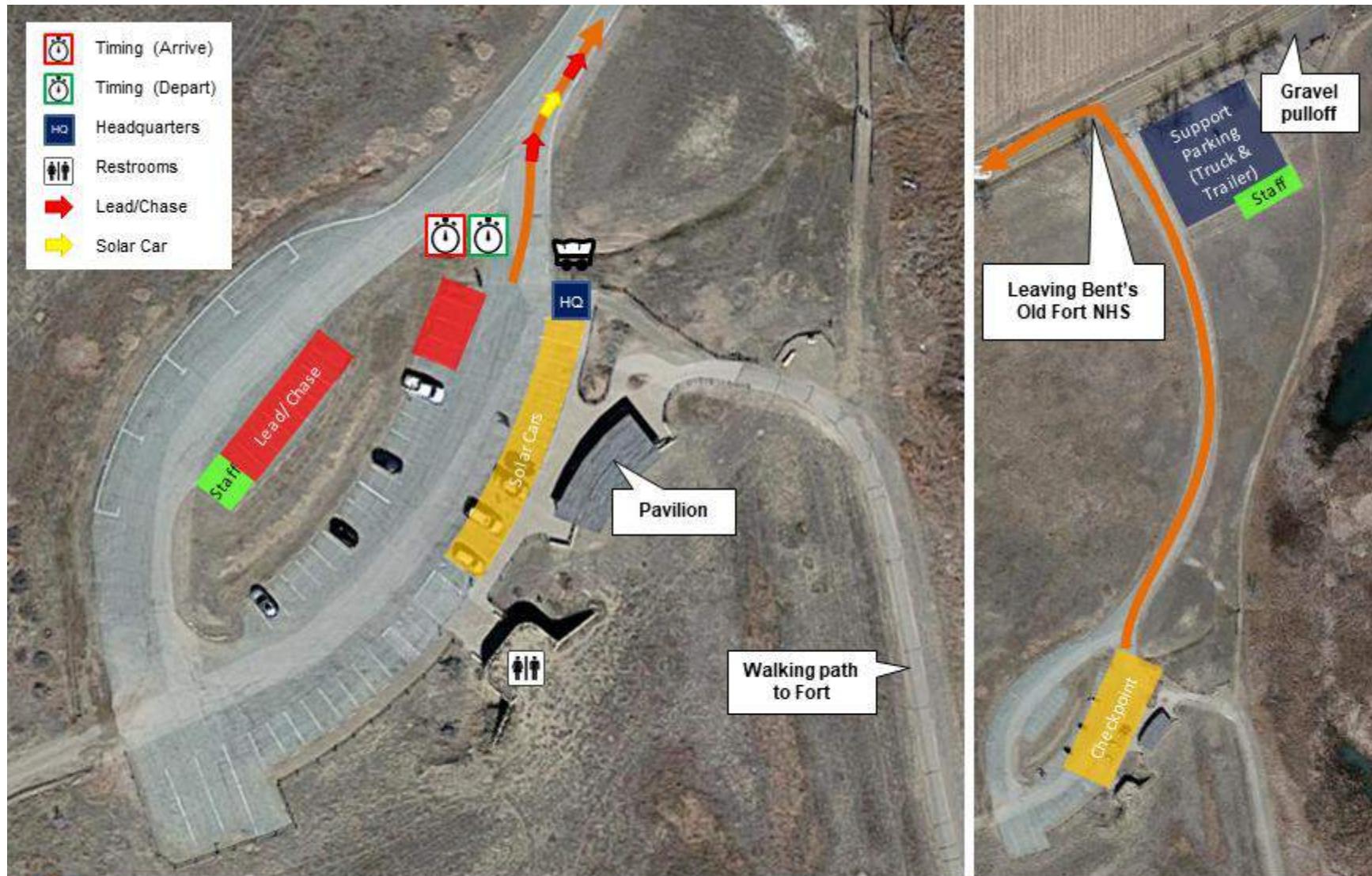
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	Head southwest on CO-194 W toward Co Rd 35	Support and Solar Car routes will be the same until Trinidad
6.3 mi	Turn left onto CO-109 S	
1.1 mi	Turn right onto E 5th St	
1.5 mi	E 5th St turns slightly left and becomes US-350 W/Potter Dr Continue to follow US-350 W	No services for 78 miles until Trinidad!
77.5 mi	Turn right onto Hwy 160 Bypass/US Hwy 160 Continue to follow US Hwy 160	
0.9 mi	Continue onto E Goddard Ave	
285 ft	Turn left to merge onto I-25 S Entering New Mexico	Solar car route will include portions of I-25, but be primarily on other roads. Truck & trailers should follow I-25 unless needed on solar car route.
131 mi	Take exit 343 for I-25 BUS toward NM-283/NM-329/Las Vegas	
0.3 mi	Turn right onto I-25BL	
0.4 mi	Turn left onto New Mexico Ave	
1.17 mi	Turn right onto Moreno St Destination will be on the right	
0.5 mi	Arrive at West Las Vegas High School for Stage Stop	

Approx. 221 miles (3 hr, 26 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

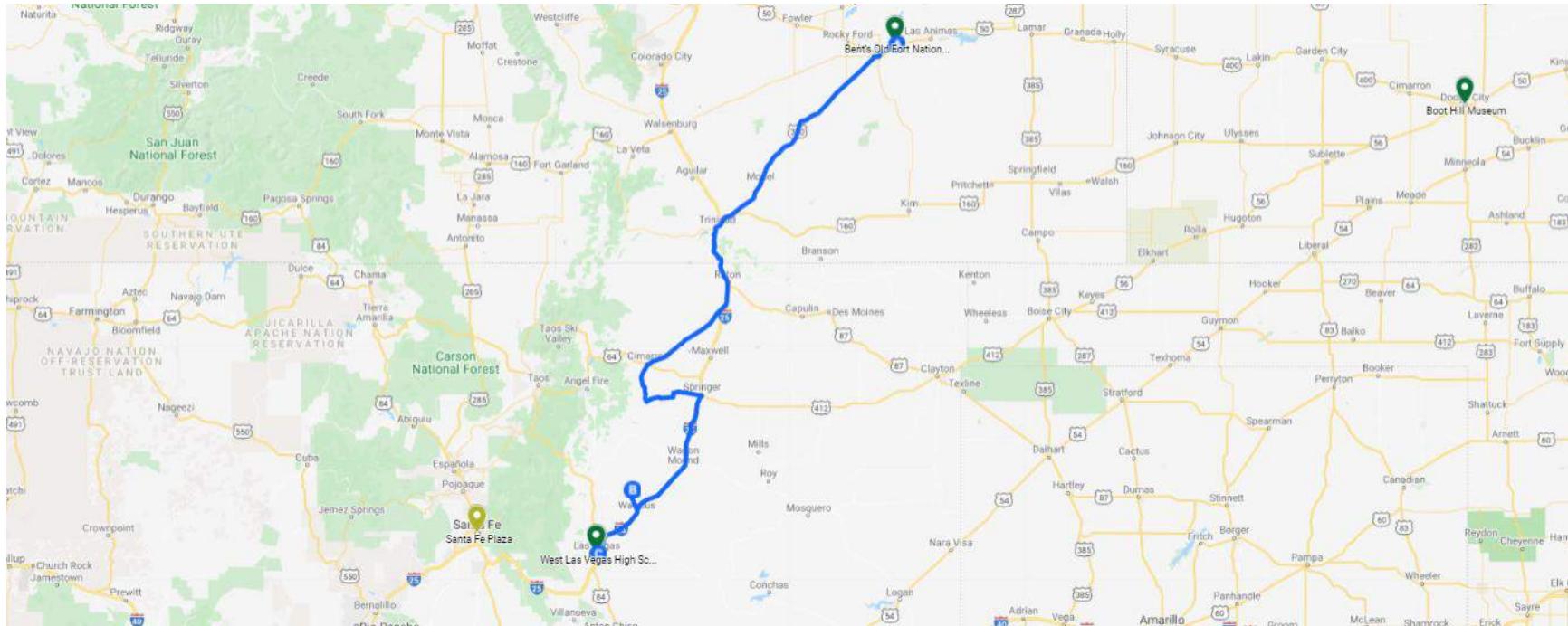


Bent's Old Fort National Historic Site – La Junta, CO – Checkpoint



SOLAR CAR ROUTE OVERVIEW

LA JUNTA, CO – LAS VEGAS, NM



LA JUNTA, CO – LAS VEGAS, NM BASE LEG E

CHECKPOINT:

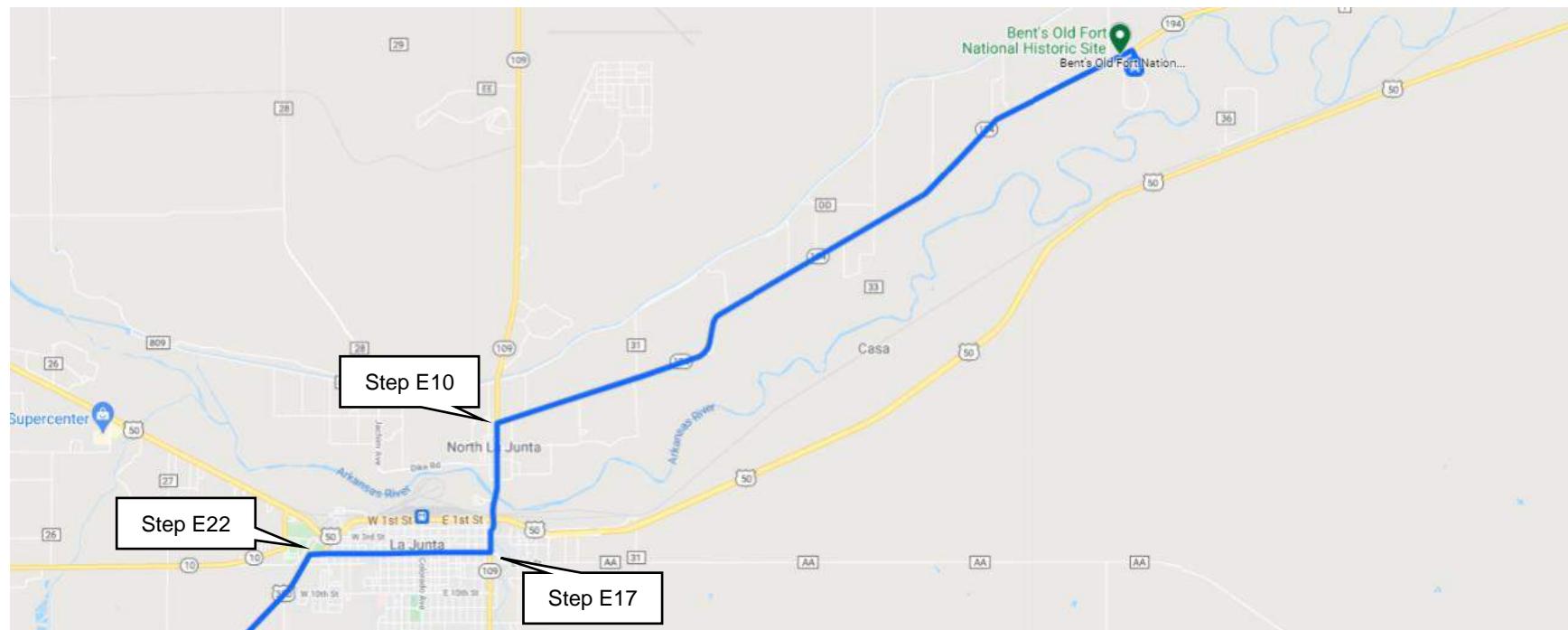
Bent's Old Fort National Historic Site
35110 CO-194, La Junta, CO 81050

STAGE STOP:

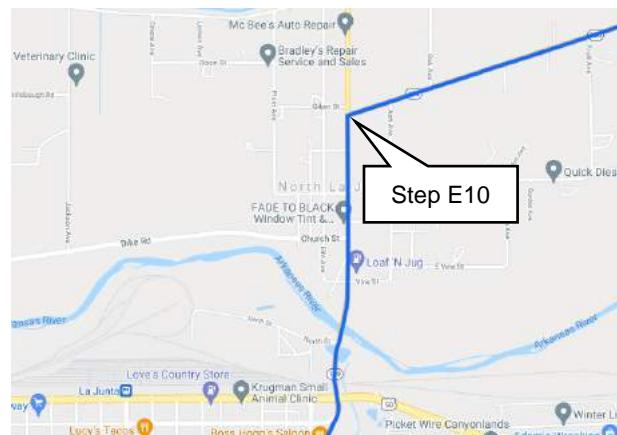
West Las Vegas High School
179 Bridge St, Las Vegas, NM 87701



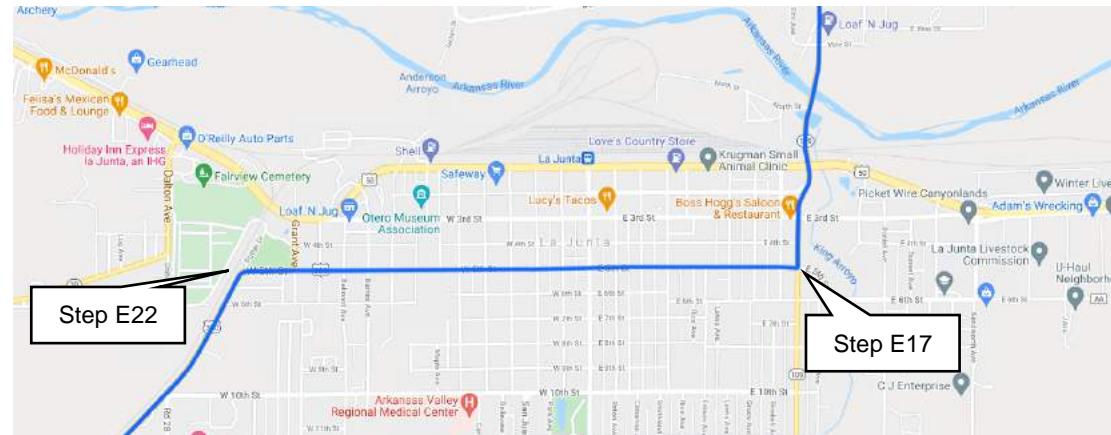
LA JUNTA, CO – LAS VEGAS, NM



Steps E6-E14

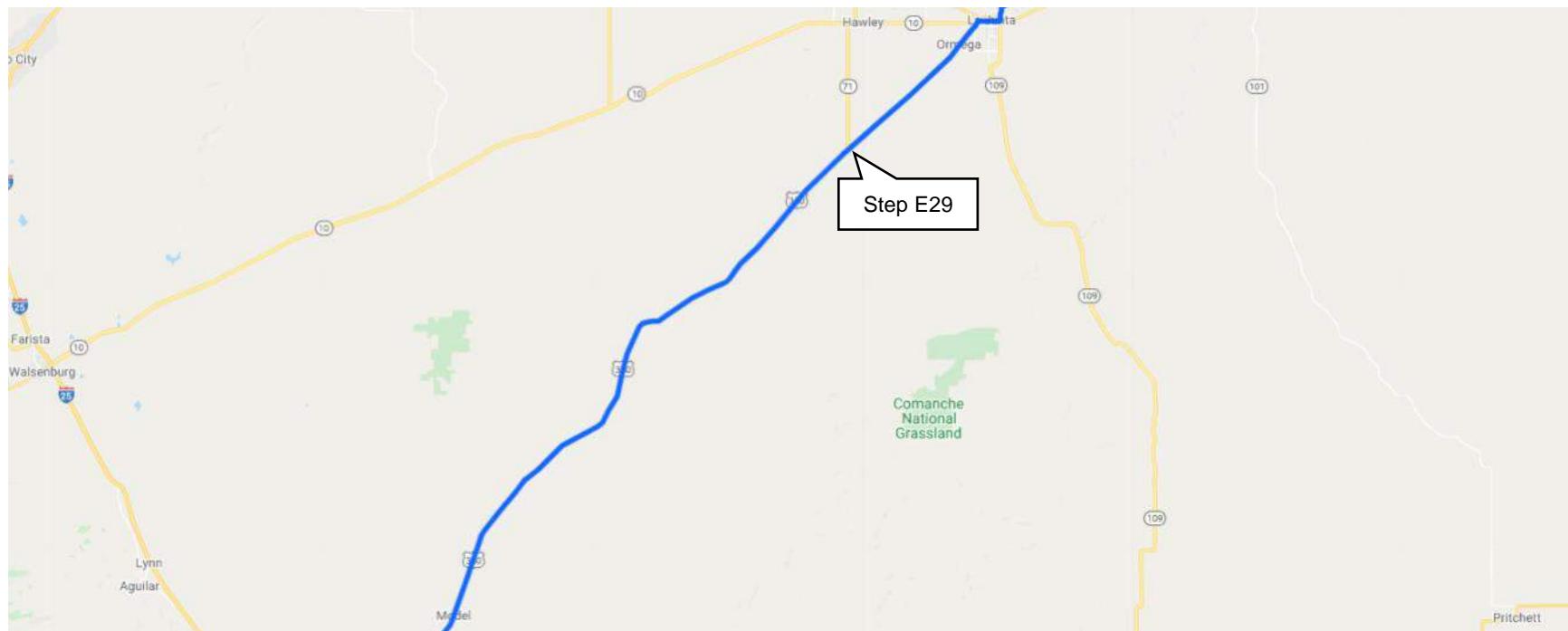


La Junta Detail



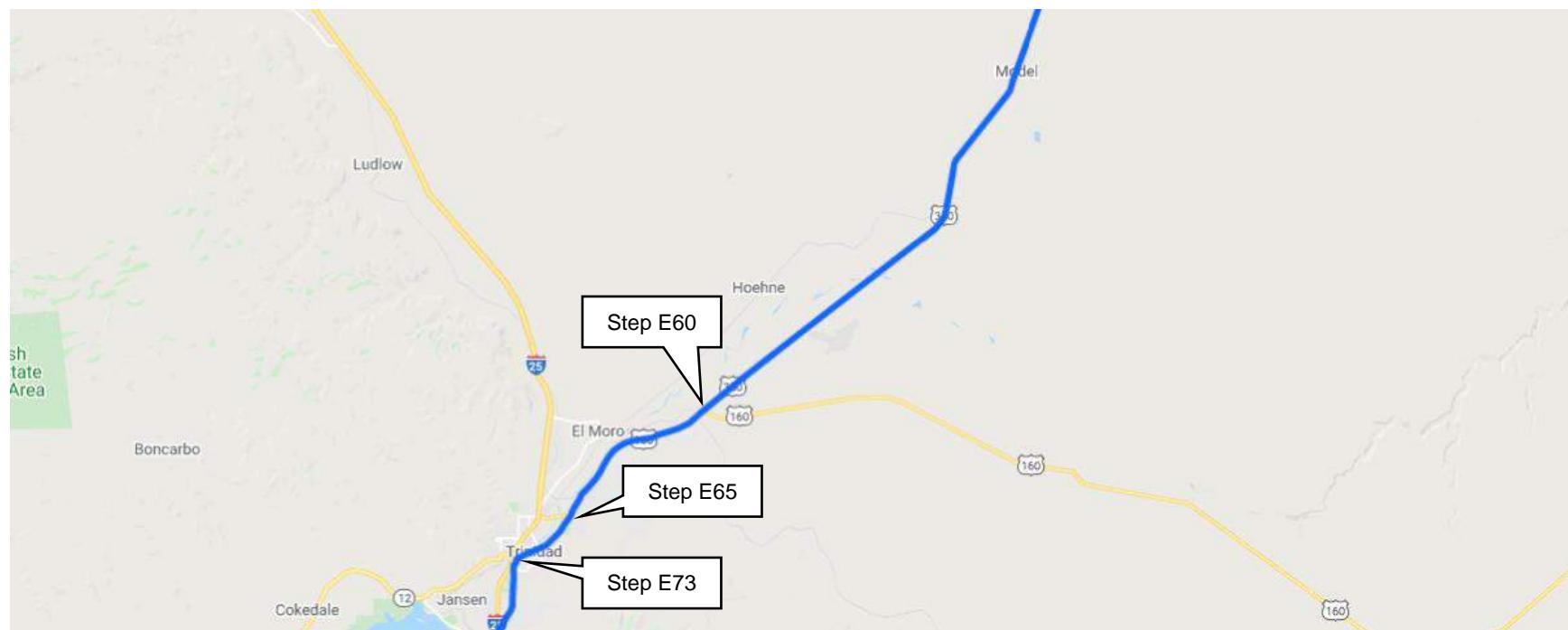
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 1	0.00		TURN LEFT at STOP SIGN onto CO-194 West		1	55	none	
E 2	0.10	0.10		Bent's Old Fort service entrance on left	1	55		
E 3	2.70	2.60		CR 33	1	55	grass	
E 4	4.10	1.40		CR 31.8				
E 5	5.20	1.10		CR 31, stay to the right				
E 6	5.70	0.50		Fruit Ave				
E 7	6.00	0.30				45		
E 8	6.20	0.20		Entering North La Junta		35		
E 9	6.30	0.10		Ash Ave				
E 10	6.50	0.20	TURN LEFT at STOP SIGN onto CO-109/Main St toward La Junta	T-intersection				
E 11	6.70	0.20		Chalmers St				fuel
E 12	6.80	0.10		Church St				
E 13	7.10	0.30		Cross Arkansas River				
E 14	7.30	0.20		Cross over RR tracks and US-50	1	30		
E 15	7.40	0.10		Stop Sign (All-Way) for 3rd St				
E 16	7.50	0.10		4th St				
E 17	7.60	0.10	TURN RIGHT onto 5th St	*** Pay Attention! No Stop Sign! ***				
E 18	7.70	0.10		Lewis Ave		30		
E 19	8.10	0.40		Stop Sign (All-Way) for Colorado Ave				
E 20	8.20	0.10		Stop Sign (All-Way) for Santa Fe Ave				
E 21	9.00	0.80	CONTINUE ON US-350 West	Grant Ave, Potter Park on right				
E 22	9.10	0.10	FOLLOW BEND to the LEFT to continue on US-350 West	Potter Dr on right				
E 23	9.40	0.30			1	65	grass	
E 24	9.80	0.40		78 miles to Trinidad; ***next services 78 miles***	1	65	grass	
E 25	12.00	2.20		SFT original route next 7.5 miles				
E 26	15.00	3.00		Wider paved pulloff areas on shoulder			paved	
E 27	15.40	0.40		CR 24			none	

LA JUNTA, CO – LAS VEGAS, NM

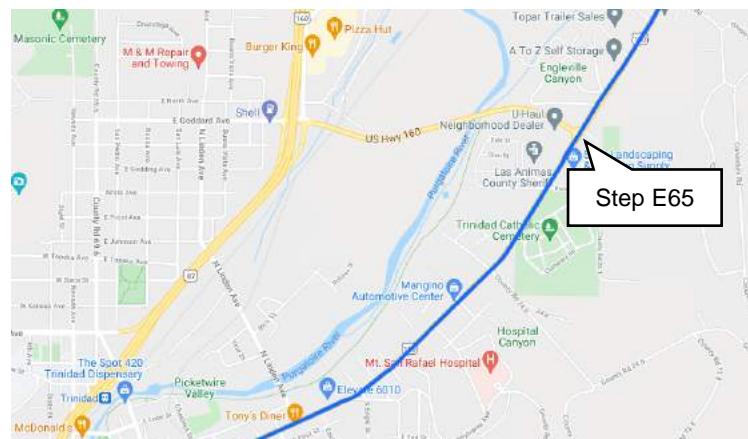


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 28	19.70	4.30	Continue of US-350 West	End Santa Fe Trail original route				
E 29	22.10	2.40		CO-71/CR 19 on right	1	65		
E 30	22.60	0.50		Comanche National Grassland on left				
E 31	25.30	2.70		Passing through Timpas , turnoff for Santa Fe Trail Timpas picnic area	1	65	grass	none
E 32	26.50	1.20		Short piece of paved shoulder	1	65	paved	
E 33	28.50	2.00		Short piece of paved shoulder	1	65	paved	
E 34	30.00	1.50		SFT original route next 5 miles				
E 35	35.20	5.20		End original route				
E 36	36.10	0.90		Pulloff on left	1	65	grass	
E 37	39.20	3.10		CR 801				
E 38	39.50	0.30		Mile Marker 42				
E 39	41.30	1.80		Leaving Comanche National Grassland on left				
E 40	44.10	2.80		Passing through Dehli , abandoned buildings and train cars on left, Las Animas County				none
E 41	46.40	2.30		Mile Marker 35				
E 42	48.30	1.90		Rd 121				
E 43	51.50	3.20		Mile Marker 30				
E 44	52.90	1.40		Passing through Thatcher , gravel pulloff				none
E 45	54.20	1.30		SFT original route next 7 miles				
E 46	57.40	3.20		Fort Carson Piñon Canyon Maneuver Site on left				
E 47	58.10	0.70		RR tracks				
E 48	61.00	2.90		End original route				
E 49	61.40	0.40		Passing through Tyrone , Rd 64	1	65	grass	none
E 50	66.40	5.00		"In Memory of the Crewmen" Marker & paved pulloff on left				

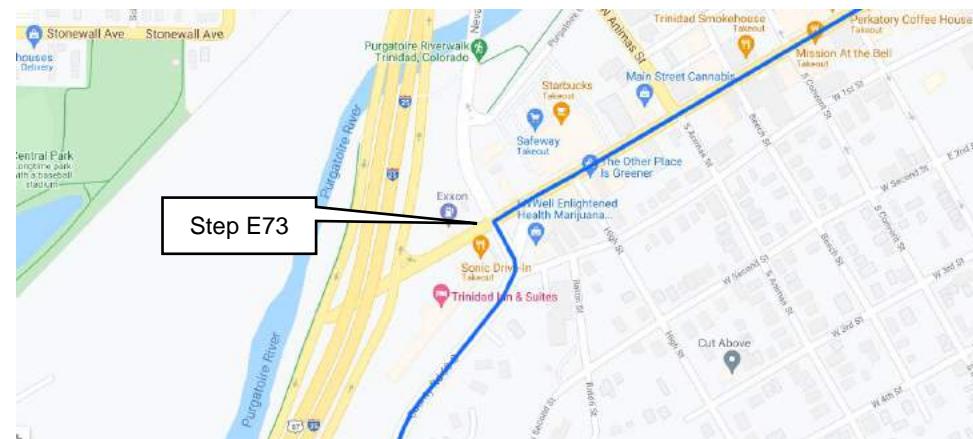
LA JUNTA, CO – LAS VEGAS, NM



Step E65 (Trinidad)

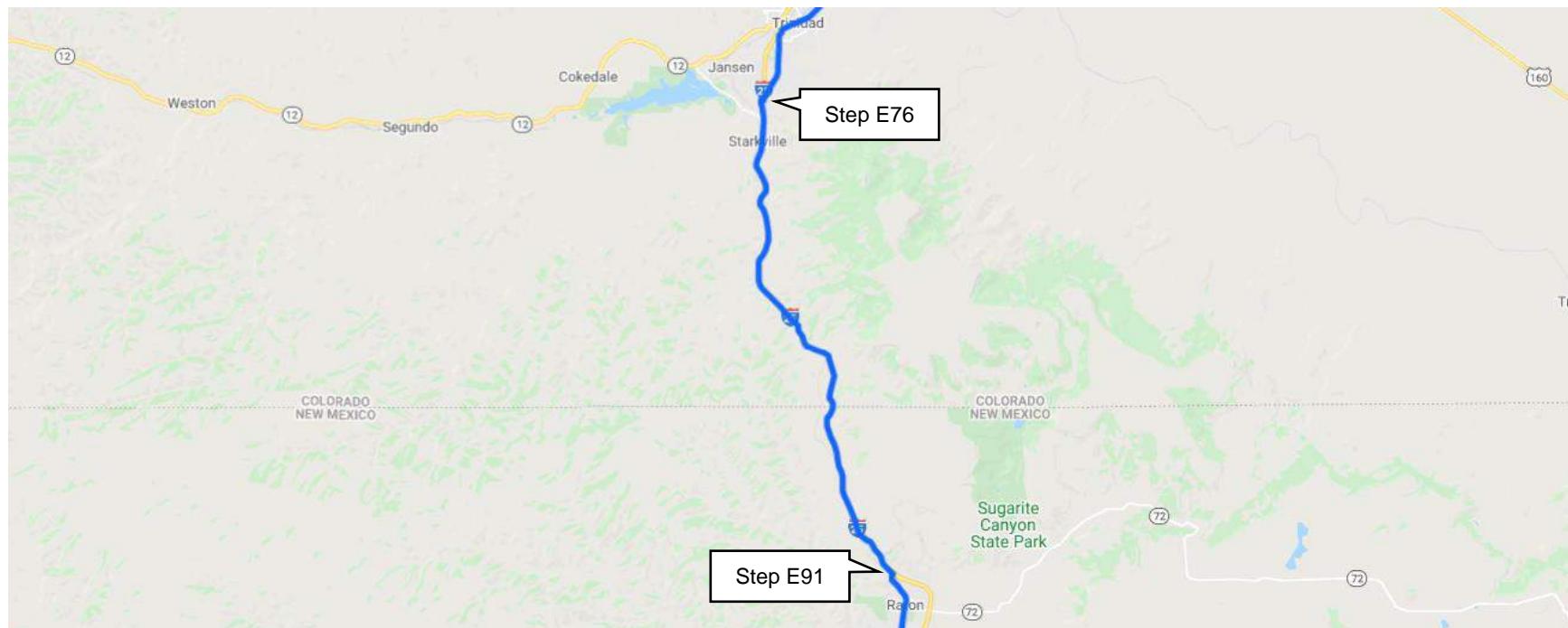


Step E73 (Trinidad)

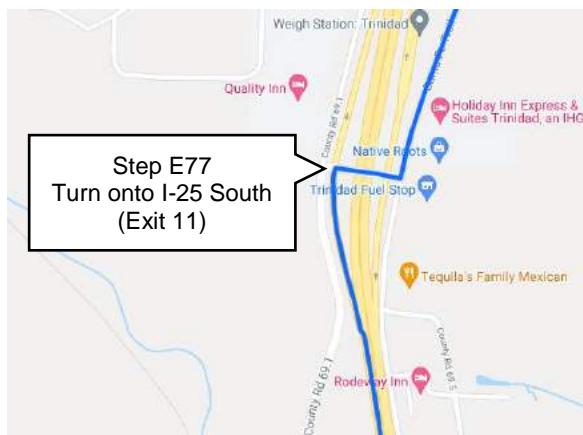


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 51	67.40	1.00		Rd 99/Rd 52.5, Passing through Model , abandoned building and pulloff on left, Mile Marker 14	1	65	none	none
E 52	69.00	1.60		Short piece of paved shoulder			paved	
E 53	70.80	1.80		Duran's Rodeo Ranch on left			grass	
E 54	71.40	0.60		Mile Marker 10				
E 55	72.00	0.60		Gravel pulloff on right				
E 56	73.00	1.00		Trinidad Correctional Facility on left				
E 57	74.80	1.80		Cross Purgatoire River, paved shoulder briefly			paved	
E 58	77.50	2.70		Turnoff for Las Animas County Airport on left			none	
E 59	80.40	2.90		Mile Marker 1				
E 60	81.30	0.90	CONTINUE STRAIGHT on US-160 West toward Trinidad	US-160 East turnoff on left	1	50	paved	
E 61	81.40	0.10			1	60	paved	
E 62	85.40	4.00		Cougar Canyon Drive				
E 63	86.00	0.60			1	50	paved	
E 64	86.30	0.30				45		
E 65	86.60	0.30	CONTINUE STRAIGHT on Main St (GoogleMaps says this is still US-160)	Turnoff on right for US-160 West				
E 66	86.70	0.10		Entering Trinidad		35		All
E 67	87.30	0.60		Benedicta Ave, Mt. San Rafael Hospital turnoff to left	1	35	paved	fuel, Hospital
E 68	87.60	0.30				25		
E 69	87.90	0.30		SL for Oak St			parking	fuel
E 70	88.20	0.30		SL for Maple St			parking	
E 71	88.30	0.10		SL Commercial St, brick road!				
E 72	88.40	0.10		SL for Animas St				
E 73	88.60	0.20	TURN LEFT at STOP SIGN onto Santa Fe Trail at Nevada Ave	Sonic on corner	1	35		All
E 74	89.20	0.60		Van Buren St				

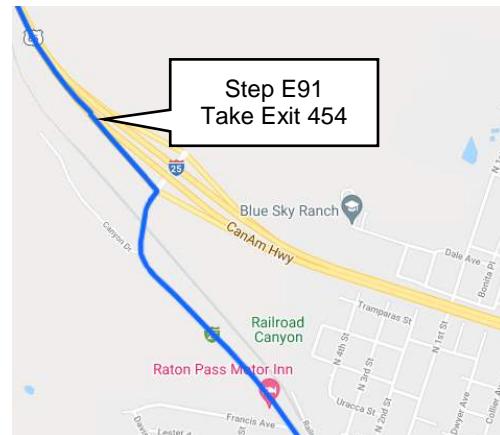
LA JUNTA, CO – LAS VEGAS, NM



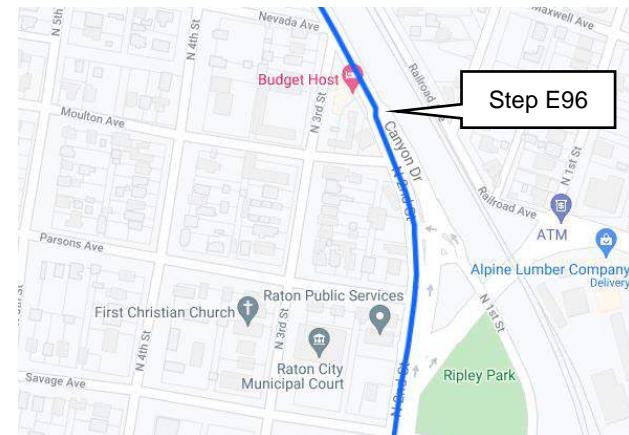
Steps E76-E78



Steps E91-E93



Steps E96-E97

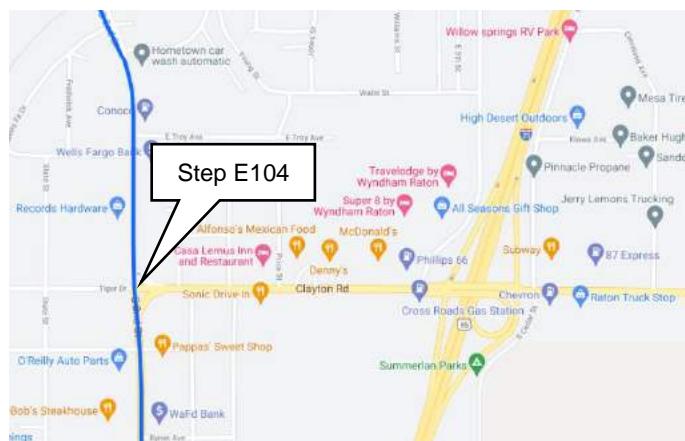


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 75	89.40	0.20		Cawthon Motel & RV Park on right	1	35	none	
E 76	91.00	1.60	TURN RIGHT at STOP SIGN to cross over I-25	Shell & Wendy's on corner Holiday Inn Express				fuel, electric
E 77	91.10	0.10	TURN LEFT for ramp onto I-25 South toward Raton, stop sign					
E 78	91.30	0.20	MERGE onto I-25 South / US-85 South / US-87 South	Joining I-25 at Exit 11 (on interstate for ~16 miles)	2	65	paved	
E 79	91.70	0.40		"Raton 19, Las Vegas 123" sign			paved guardrail	
E 80	94.30	2.60		Exit 8 for Spring Creek				
E 81	96.30	2.00		Exit 6 for Gallinas				
E 82	98.50	2.20		Wide paved shoulder here				
E 83	99.50	1.00		"Raton Pass 3 miles"				
E 84	99.80	0.30		Exit 2 for Wootton	2		paved	
E 85	101.10	1.30		Begin steeper up-hill section			paved	
E 86	102.10	1.00		Enter New Mexico				
E 87	102.20	0.10		Exit 460 for Weigh Station ***Raton Pass***				
E 88	103.10	0.90			2	55	paved	
E 89	104.20	1.10		Sign for "Exit 451 Welcome Information Center"		65		
E 90	105.00	0.80		New Mexico & pull off on right	2	65	paved	
E 91	107.80	2.80	TAKE EXIT 454 for Raton / 2nd St / Business I-25					
E 92	108.00	0.20	TURN RIGHT at STOP SIGN onto Business I-25 toward Downtown Historic District	Santa Fe Trail sign on corner, cattle guard				
E 93	108.10	0.10	CONTINUE on Canyon Dr	Bridge over RR tracks				
E 94	108.40	0.30			1	35	paved	lodging
E 95	108.80	0.40		Entering Raton				All
E 96	108.90	0.10	FOLLOW BEND to the RIGHT to follow I-25 Business & 2nd St	Moulton Ave				

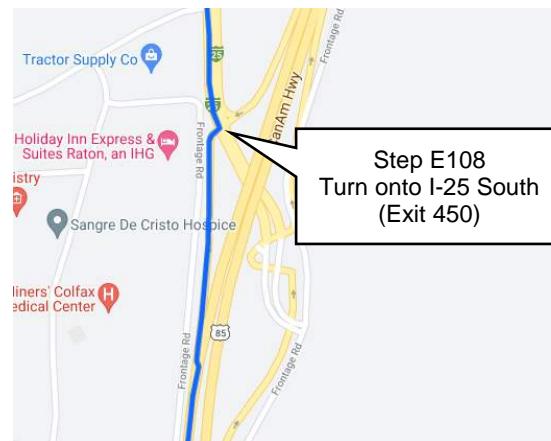
LA JUNTA, CO – LAS VEGAS, NM



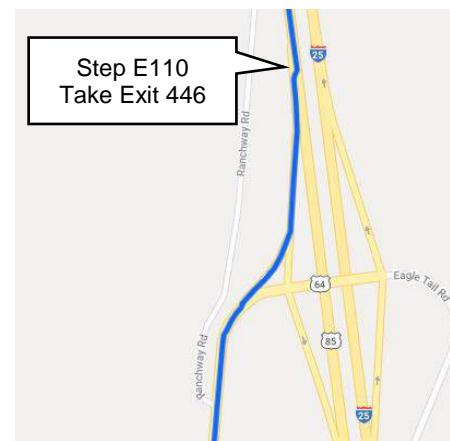
Raton Detail



Steps E108-E109

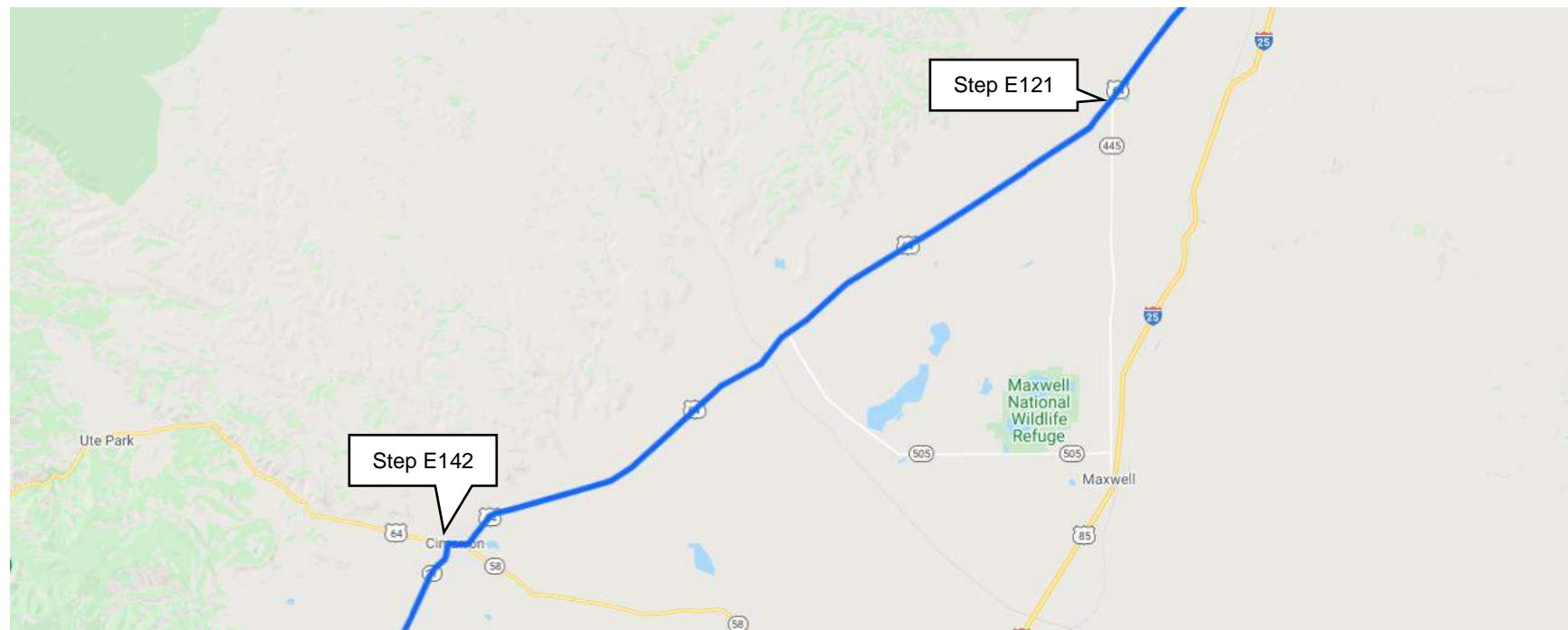


Steps E110-E112

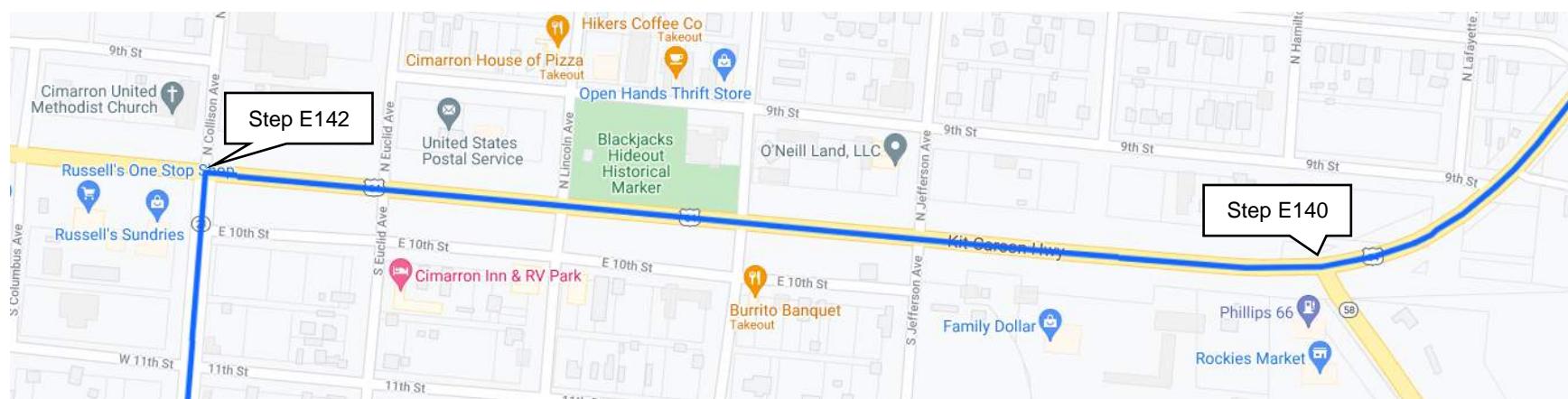


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 97	109.00	0.10		Parsons Ave				
E 98	109.10	0.10		SL for Clark Ave	2		parking	
E 99	109.20	0.10		SL for Park Ave				
E 100	109.30	0.10		SL for Cook Ave		30	parking	
E 101	109.50	0.20				35	parking	fuel
E 102	110.00	0.50		Underpass 15ft 7in	2			
E 103	110.10	0.10		SL for Grant Ave				fuel
E 104	110.40	0.30		SL for Tiger Dr/Clayton Rd, Tourist Information Center with train car on left, Jct US-64		35		
E 105	110.80	0.40		SL for Hart Ave	2	35	paved	fuel, KOA
E 106	110.90	0.10				45		
E 107	111.60	0.70		NM Dept of Game & Fish, Rodeo Grounds turnoff, NM-555				
E 108	111.80	0.20	TAKE RIGHT RAMP for I-25 South					
E 109	112.00	0.20	MERGE onto I-25 South	Joining I-25 at Exit 450	2	75	paved	
E 110	114.80	2.80	TAKE EXIT 446 for US-64 West toward Taos	Santa Fe Trail sign				
E 111	115.00	0.20	TAKE RIGHT FORK toward Cimarron, NRA Whittington Center	Santa Fe Trail sign				
E 112	115.10	0.10	MERGE onto US-64					
E 113	115.20	0.10		"Whittington Center Trailhead 4 miles"	1		paved	
E 114	115.30	0.10		Pulloff with Santa Fe Trail marker				
E 115	115.40	0.10		"Cimarron 34"	1	65	paved	
E 116	117.40	2.00		Cross Canadian River			gravel	
E 117	117.60	0.20		16' 10" underpass for railroad bridge				
E 118	119.00	1.40		Santa Fe Trail NRA Whittington Center on right, right turn lane/merge lane	2			
E 119	121.30	2.30		Raton Municipal Airport on left	1	65	paved	
E 120	123.80	2.50				1	50	

LA JUNTA, CO – LAS VEGAS, NM

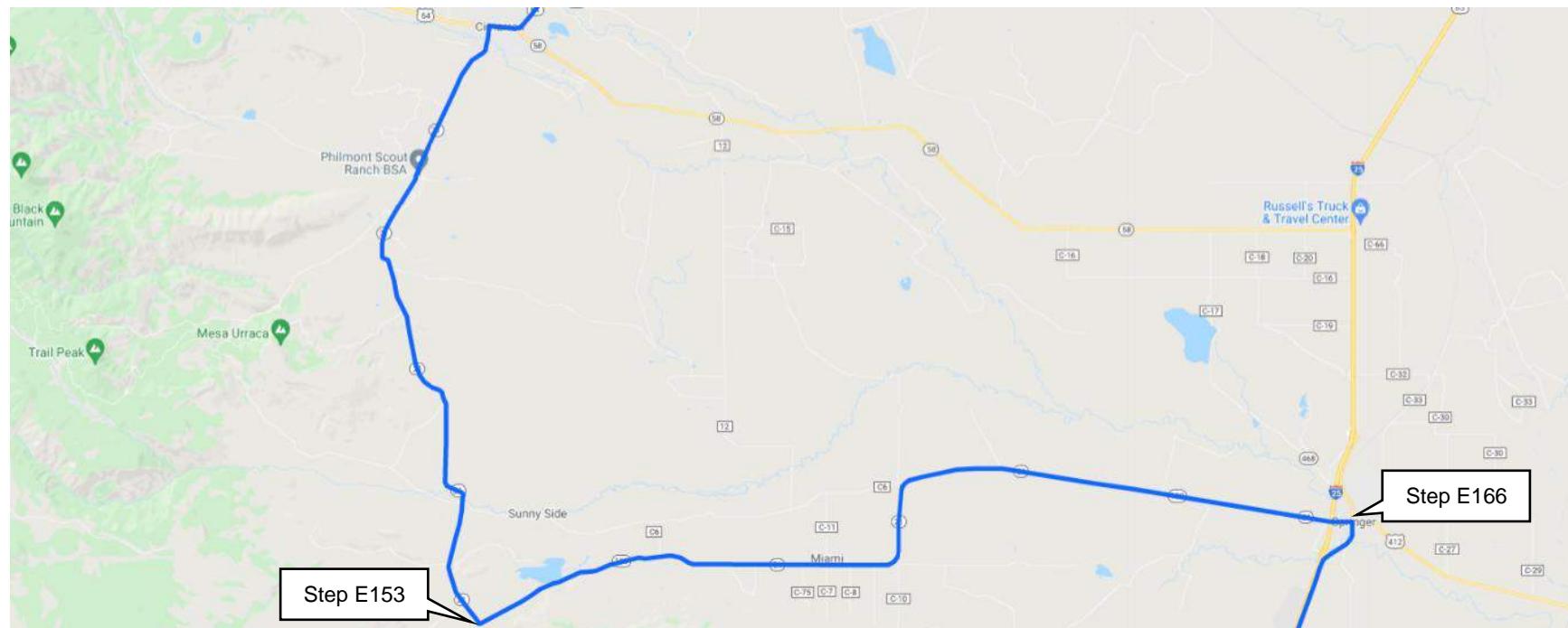


Cimarron Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 121	124.20	0.40		Jct NM-445 to left	1	50		
E 122	124.40	0.20		"Cimarron 26"	1	65		
E 123	127.50	3.10		Cross Crow Creek	1	65	paved	
E 124	130.00	2.50	CONTINUE on US-64 West	Rough road		60		
E 125	134.30	4.30		Mile Marker 325				
E 126	136.90	2.60				50		
E 127	137.10	0.20		Jct NM-505 to left, Colgax Tavern & Diner on left		50		
E 128	137.40	0.30		Dawson Cemetery Historical Marker on right				
E 129	137.70	0.30				60		
E 130	137.90	0.20		RR tracks, bump	1	60	paved	
E 131	142.80	4.90		"Entering Cimarron River Watershed; flows to Canadian River"	1	60	paved	
E 132	144.10	1.30		Mile Marker 315				
E 133	145.10	1.00		Santa Fe Trail sign "Cimarron 5 miles ahead"	1	60	paved	
E 134	148.20	3.10		Jct NM-204		50		
E 135	148.40	0.20		Ponil Creek				
E 136	148.50	0.10		Ponil Camp Grounds on right				
E 137	148.70	0.20		Entering Cimarron				All
E 138	148.90	0.20		Historical marker on right				
E 139	149.10	0.20				35		
E 140	149.40	0.30	CONTINUE on US-64 West	NM-58, gas station on corner				fuel
E 141	149.80	0.40		Lincoln Ave, Visitor Information Center on right, Historic Old Town turnoff				
E 142	150.00	0.20	TURN LEFT onto NM-21/Collison Ave to follow signs for Santa Fe NHT	*** Pay Attention! No Stop Sign! *** Russell's Market on corner	1	35		
E 143	150.10	0.10		"Scout Ranch 4 miles"				
E 144	150.40	0.30		St. James Hotel (SFT site) on left				
E 145	150.60	0.20		Apache Ridge RV Park & Campground		40		

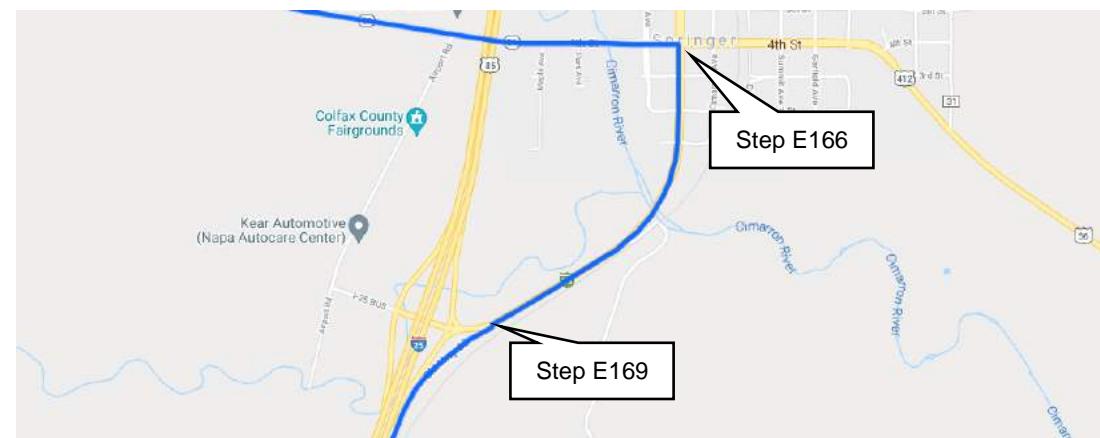
LA JUNTA, CO – LAS VEGAS, NM



Step E153



Steps E162-E169



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 146	150.80	0.20		"Santa Fe Trail Original Route"		50		
E 147	153.10	2.30		Polo Farms Rd		40		
E 148	153.60	0.50		Philmont Scout Ranch BSA, Administration Area on left				
E 149	154.60	1.00		Philmont Scout Ranch Welcome Center on right				
E 150	155.60	1.00		Overlook on left, gravel pulloff				
E 151	161.10	5.50		EX UU ranch headquarters	1		grass	
E 152	161.30	0.20		Kit Carson Museum at Rayado on right				
E 153	163.90	2.60	FOLLOW CURVE to the LEFT to continue on NM-21/NM-199	"Santa Fe Trail Original Route"				
E 154	164.00	0.10		"Springer 20"			grass	
E 155	165.90	1.90		Miami Lake, private property		50		
E 156	167.50	1.60		Cattle guard				
E 157	168.00	0.50		Valle Jo Polo Ranch on left				
E 158	168.50	0.50		Cattle guard				
E 159	171.40	2.90		Entering Miami	1	35		
E 160	172.10	0.70				55		
E 161	172.70	0.60	FOLLOW CURVE to the LEFT, then RIGHT to follow NM-21/NM-199					
E 162	183.60	10.90				40		
E 163	183.70	0.10		Underpass 16' 1"				
E 164	183.80	0.10		Entering Springer				fuel
E 165	183.90	0.10				25		
E 166	184.20	0.30	TURN RIGHT at flashing red STOP SIGN onto I-25 Business towards Las Vegas to follow Santa Fe NHT West Auto Tour Route	Jct US-412 / 4th St, this is where the Mountain & Cimarron routes of the Santa Fe Trail meet, lose left lane	2	30	paved	
E 167	184.60	0.40		Cimarron River	1	50	paved	
E 168	184.80	0.20		Large gravel pulloff on right				
E 169	185.10	0.30	TURN LEFT onto Frontage Rd/Old Hwy 85 BEFORE I-25	*** Pay Attention! *** Follow Santa Fe Trail sign (I-25 Exit 412)	1	55	grass	

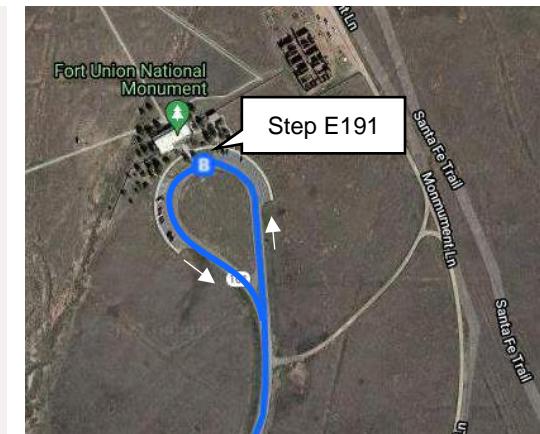
LA JUNTA, CO – LAS VEGAS, NM



Step E183

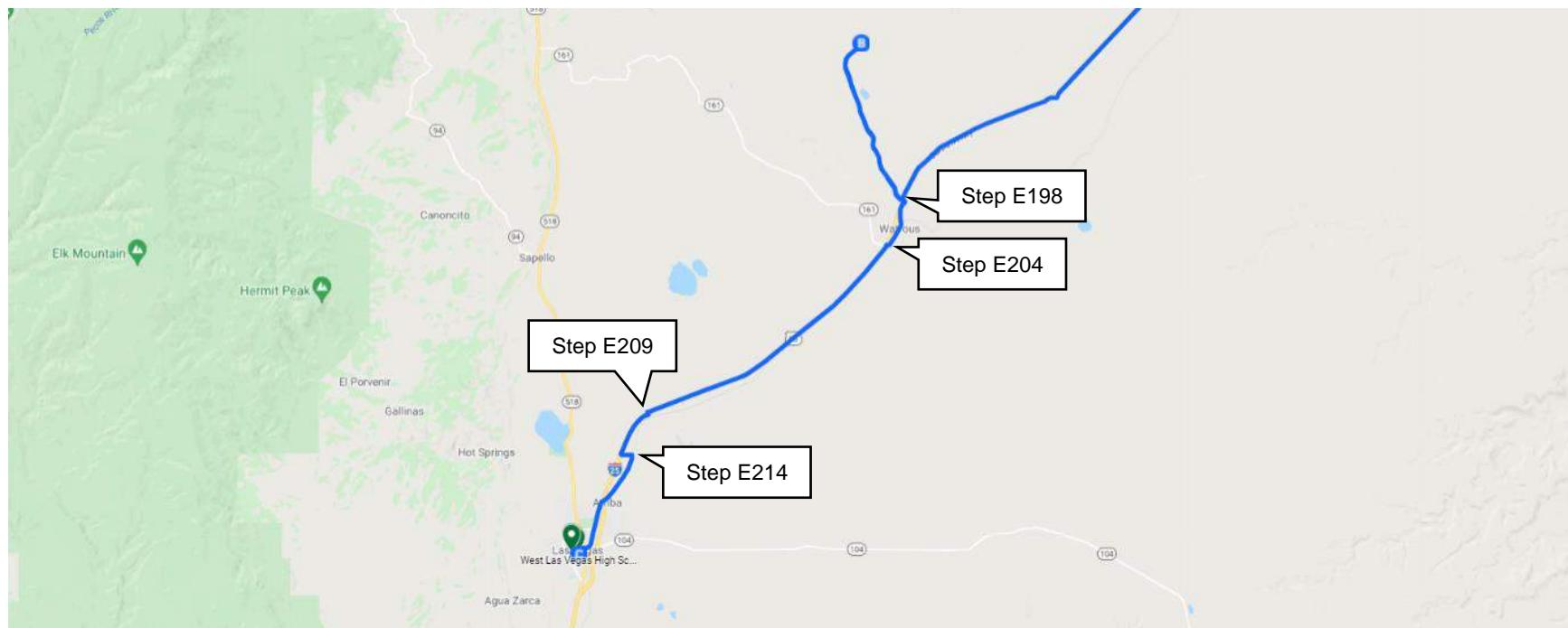
Step E185 (Fort Union turnoff)

Fort Union NM

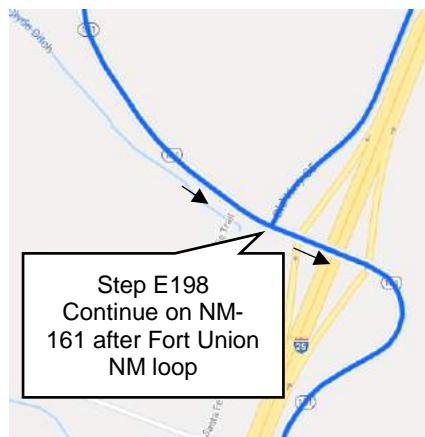


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 170	190.50	5.40		Mile Marker 41				
E 171	192.60	2.10		Turnoff for Charette Lake, NM-569/C-4, access to I-25 (Exit 404) to the right				
E 172	196.50	3.90		Santa Fe Trail sign				
E 173	200.40	3.90		Mile Marker 31				
E 174	204.30	3.90		Co24, access to I-25 (Exit 393) to the right				
E 175	208.60	4.30		"Wagon Mound Water Foul Area" turnoff	1	55		
E 176	209.70	1.10		NM-120/Park St, access to I-25 (Exit 387) to the right, Entering Wagon Mound , large pulloff area		45		fuel
E 177	209.80	0.10		Conoco with electric charging stations		55		fuel, electric
E 178	211.90	2.10		NMDOT Wagon Mound Patrol on left	1		grass	
E 179	215.30	3.40		Mile Marker 16	1	55	grass	
E 180	219.60	4.30		CR 35	1	55	grass	
E 181	222.30	2.70		Rest Area for I-25 (no access from Frontage Rd)				
E 182	222.50	0.20				45		
E 183	223.00	0.50	CONTINUE on Frontage Rd/ Old Hwy 85	Cross under I-25 (No access to I-25) 14' 8", continue on Frontage Rd/ Old Hwy 85	1	55	grass	
E 184	226.10	3.10		Mile Marker 5				
E 185	231.00	4.90	TURN RIGHT at STOP SIGN onto NM-161	***LOOP TO FORT UNION NATIONAL MONUMENT*** (Exit 366) Follow the paved road out and back	1	50		none
E 186	233.30	2.30		Mountain Branch trail ruts on right				
E 187	233.50	0.20		Fort Union Overlook on left	1	50	grass	
E 188	237.20	3.70		Fort Union Ranch				
E 189	237.60	0.40		Historical marker on left				
E 190	238.00	0.40	CONTINUE STRAIGHT through entrance to Fort Union NM	Follow loop in parking lot and back out, watch for speed bumps!	1	30		

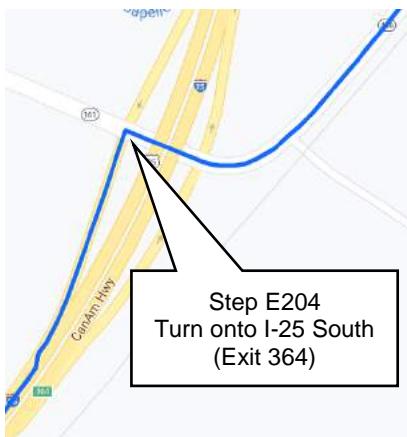
LA JUNTA, CO – LAS VEGAS, NM



Step E198



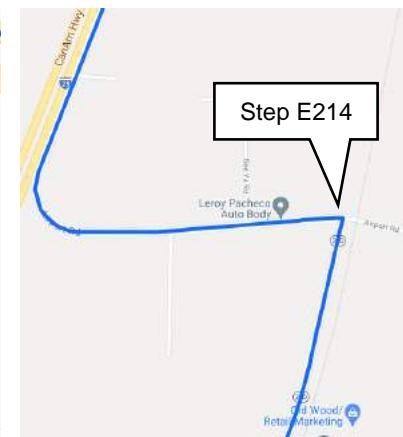
Steps E204-E205



Steps E209-E211

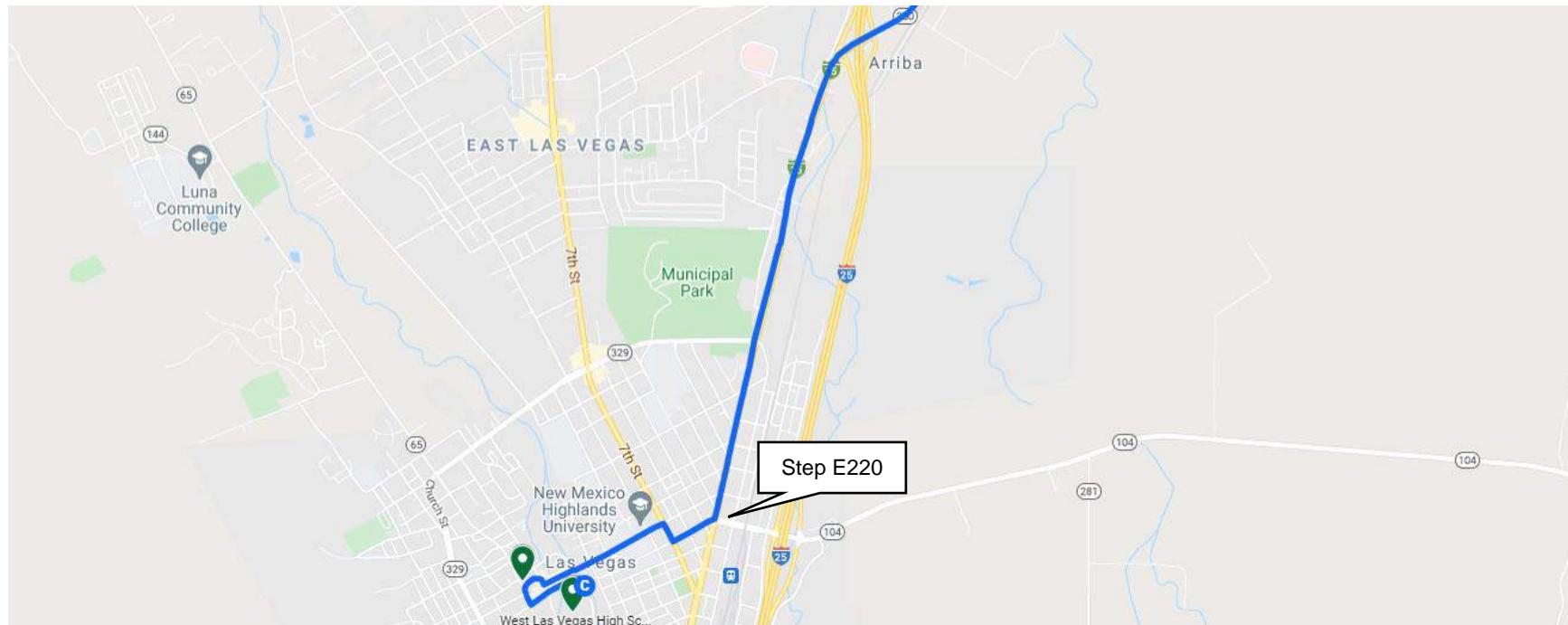


Steps E213-E214

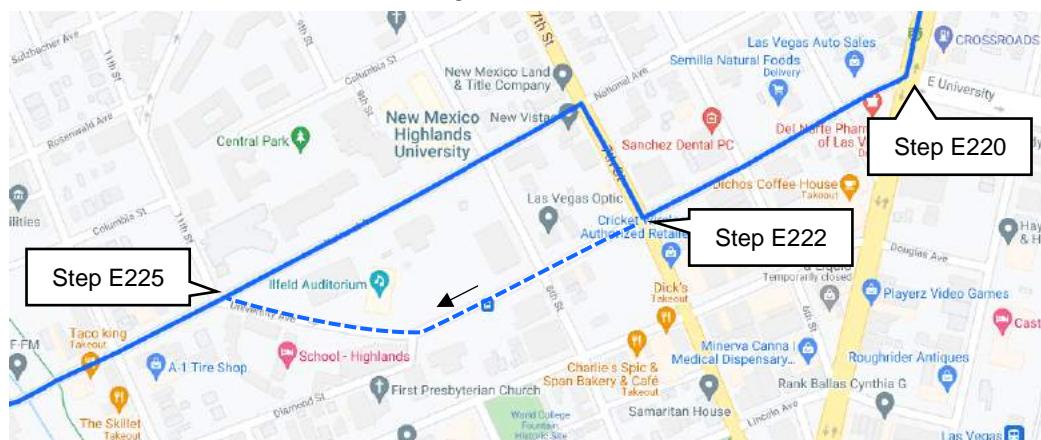


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 191	238.60	0.60		Visitor Center				
E 192	238.90	0.30				30		
E 193	239.20	0.30		Leaving Fort Union NM				
E 194	239.40	0.20				55		
E 195	239.60	0.20		Historical marker on right				
E 196	243.70	4.10		Fort Union Overlook on right				
E 197	244.00	0.30		Mountain Branch trail ruts on left				
E 198	246.10	2.10	CONTINUE STRAIGHT on NM-161	Cross over I-25		50		
E 199	247.00	0.90		Mora River				
E 200	247.20	0.20		Sapello River				
E 201	247.30	0.10	CONTINUE STRAIGHT on NM-446	Entering Watrous	1	40	gravel	
E 202	248.40	1.10		Cattle guard, historical marker on right				
E 203	248.50	0.10		Cross under I-25, another cattle guard (Exit 364)		45		
E 204	248.55	0.05	TURN LEFT for ramp for I-25 South					
E 205	248.70	0.15	MERGE onto I-25 South (Exit 364) / US-85 South		2	75	paved	
E 206	251.50	2.80		Exit 361	2	75	paved	
E 207	252.70	1.20		Parking Area on right (no facilities)				
E 208	256.60	3.90		Exit 356 for Onava				
E 209	260.90	4.30	TAKE EXIT 352 for Airport					
E 210	261.10	0.20	TURN LEFT at STOP SIGN onto NM-250 toward Airport		1			
E 211	261.15	0.05		Cross over I-25 (Exit 352)				
E 212	261.20	0.05	CONTINUE TO FOLLOW NM-250 to the RIGHT	Cattle guard	1	50		
E 213	263.20	2.00	FOLLOW NM-250 to the LEFT					
E 214	263.80	0.60	TURN RIGHT to follow NM-250	*** Pay Attention! *** Don't cross RR tracks!! Large gravel pulloff on right		50	none	

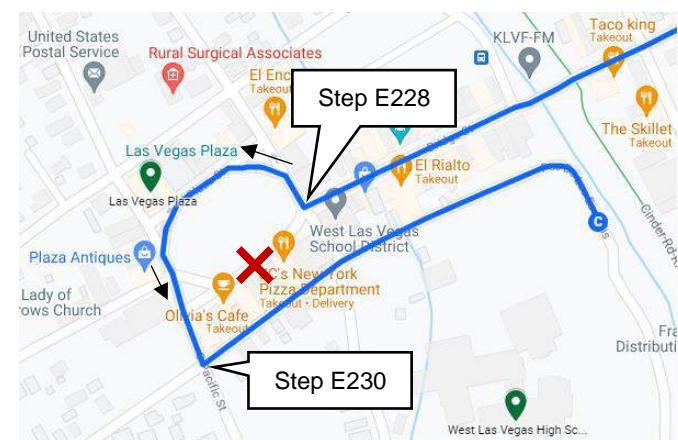
LA JUNTA, CO – LAS VEGAS, NM



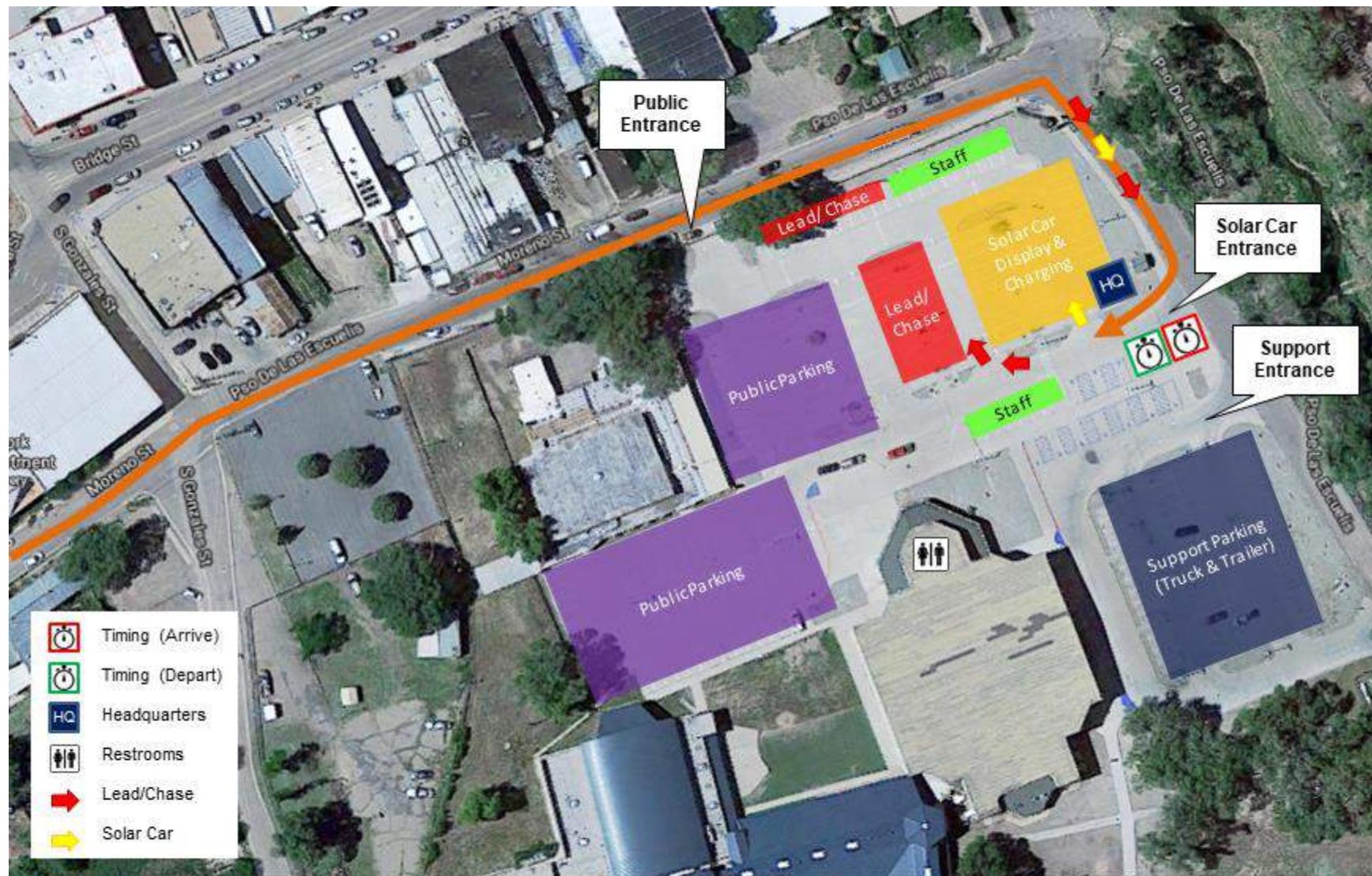
Steps E220-E225



Arriving to Las Vegas Stage Stop



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 215	266.10	2.30	CONTINUE on US-85 / Business I-25 / Grand Ave	Cross under I-25 (Exit 347), Entering Las Vegas	2		paved	
E 216	266.40	0.30		Legion Dr, Turnoff for Hospital, Love's Travel Stop ahead on right	2	50	paved	Hospital
E 217	266.90	0.50				40		
E 218	267.40	0.50		SL for Mills Ave / Railroad Ave / NM-329, train on corner	2	30	paved	
E 219	268.00	0.60		3rd St, turnoff for Historic Old Town Plaza				
E 220	268.20	0.20	TURN RIGHT at SL for University Ave		1			
E 221	268.30	0.10		Stop Sign (All-Way) for 6th St				
E 222	268.35	0.05	Proceed straight (University Ave to run opposite one-way direction during event to intersect with National Ave) <i>Not during event or if not open: TURN RIGHT at STOP SIGN for 7th St</i>	Stop Sign for 7th St, cross traffic does not stop				
E 223	268.40	0.05	TURN LEFT at SL onto National Ave		1			
E 224	268.50	0.10		SL for 8th St				
E 225	268.70	0.20		11th St. (one-way University Ave intersects here)				
E 226	268.80	0.10		SL for 12th St				
E 227	268.90	0.10	CONTINUE STRAIGHT on Bridge St	Bridge over River Walk, SFT sign	1	15		
E 228	269.00	0.10	TURN RIGHT on Gonzales St to follow one-way loop half way around Las Vegas Plaza to Pacific St	Note: South side of Plaza will be closed later in the afternoon for the concert	1	15		
E 229	269.10	0.10	CONTINUE STRAIGHT on Pacific St					
E 230	269.20	0.10	TURN LEFT at STOP SIGN onto Moreno St					
E 231	269.30	0.10		Stop Sign for Gonzales St	1			
E 232	269.40	0.10	TURN RIGHT at STOP SIGN to follow Pso De Las Escuelis		1			
E 233	269.50	0.10	TURN RIGHT into stage stop at West Las Vegas High School	Follow stagepoint crew instructions				



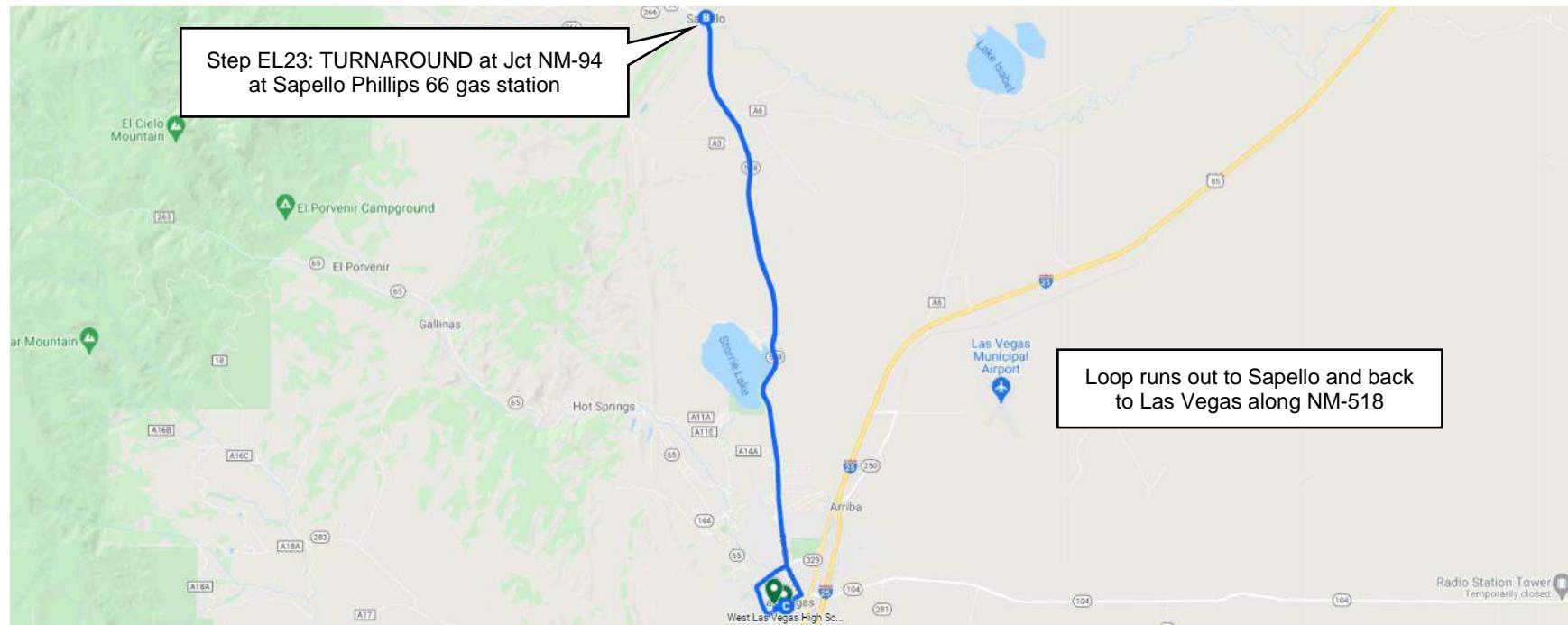
West Las Vegas High School – Las Vegas, NM – Stage Finish



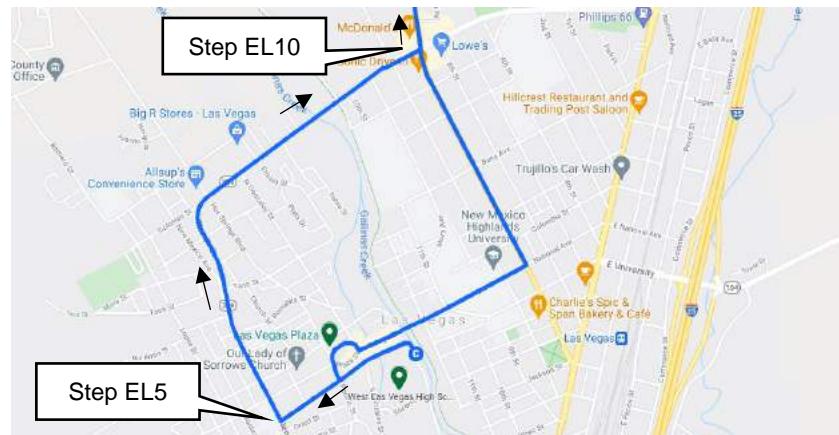
STAGE 2
OPTIONAL LOOP
(SEGMENT E LOOP)
LAS VEGAS

AMERICAN SOLAR CHALLENGE 2021

LAS VEGAS OPTIONAL LOOP



Steps EL1-EL10

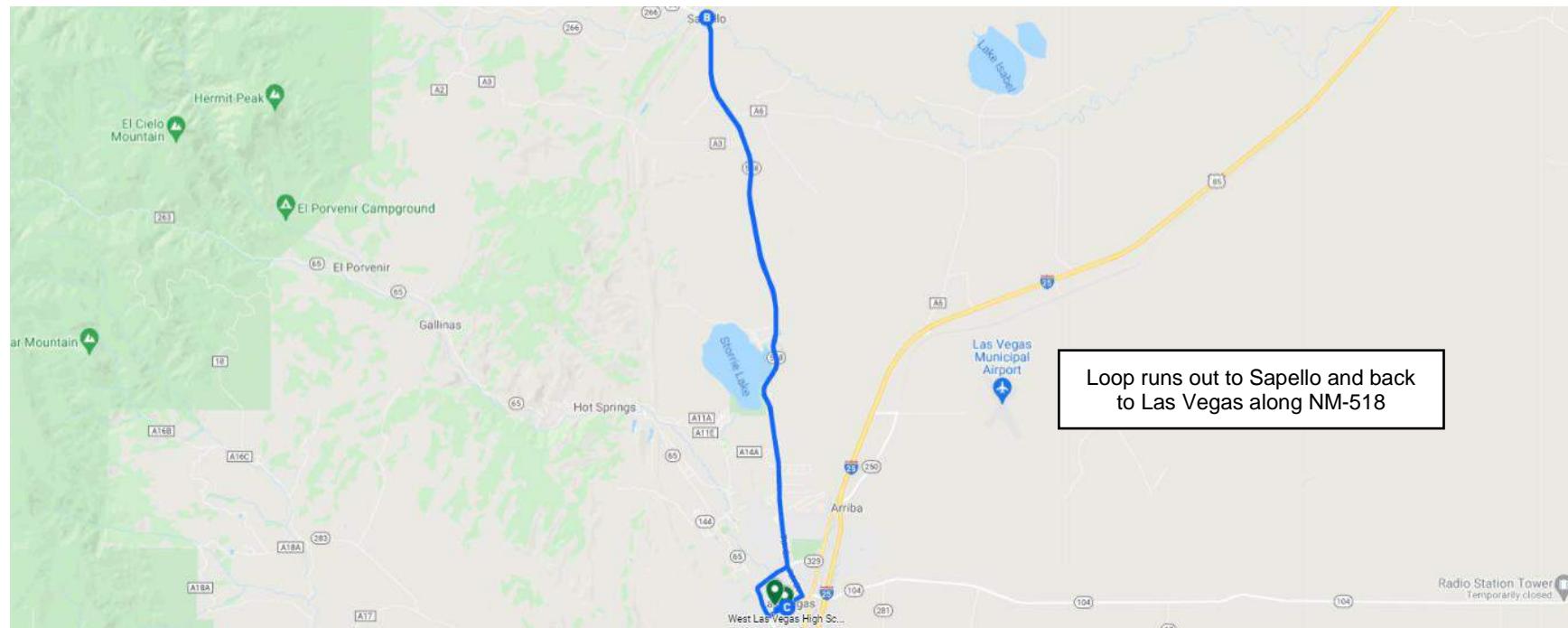


Step EL23



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 1	0.00		TURN LEFT out of High School parking lot onto Pso De Las Escuelis	Speed bump!				
EL 2	0.05	0.05	TURN LEFT at STOP SIGN onto Moreno St					
EL 3	0.20	0.15		Stop Sign (All-Way) for Gonzales St				
EL 4	0.30	0.10		Stop Sign (All-Way) for South Pacific St	1	15		
EL 5	0.50	0.20	TURN RIGHT at STOP SIGN onto New Mexico Ave/NM-329 South/N. Mex. Ave		1	30	paved	
EL 6	0.70	0.20		Santa Fe St				
EL 7	1.20	0.50		SL for Hot Springs				
EL 8	1.40	0.20				40		
EL 9	1.80	0.40		SL for 8th				
EL 10	1.90	0.10	TURN LEFT at SL onto 7th St	McDonald's & Sonic on corner	2		curb	food
EL 11	2.70	0.80	CONTINUE STRAIGHT on NM-518	SL for Mountain View Dr	2			fuel
EL 12	2.80	0.10		SL for Legion Dr	2	40		
EL 13	3.30	0.50				50		
EL 14	4.50	1.20		Left lane ends ahead		55	gravel	
EL 15	5.60	1.10		Storrie Lake State Park on left	1	55		
EL 16	6.20	0.60		Large gravel pulloff on right			paved	
EL 17	7.20	1.00			1	60	paved	
EL 18	10.50	3.30			2		paved	
EL 19	11.40	0.90		Historical marker on right	1		paved	
EL 20	11.70	0.30		CR A6 on right				
EL 21	12.50	0.80		Santa Fe Trail sign				
EL 22	13.70	1.20		Entering Sapello , Sapello River				
EL 23	13.90	0.20	TURNAROUND at Jct NM-94 at Sapello Phillips 66 gas station and follow NM-518 back to Las Vegas	3 entrances/exits - you may use whichever one you would like to/ is safe to do so to turnaround			paved/ gravel	fuel
EL 24	14.00	0.10		"Las Vegas 12", Sapello River				
EL 25	16.40	2.40		Historical marker on left				

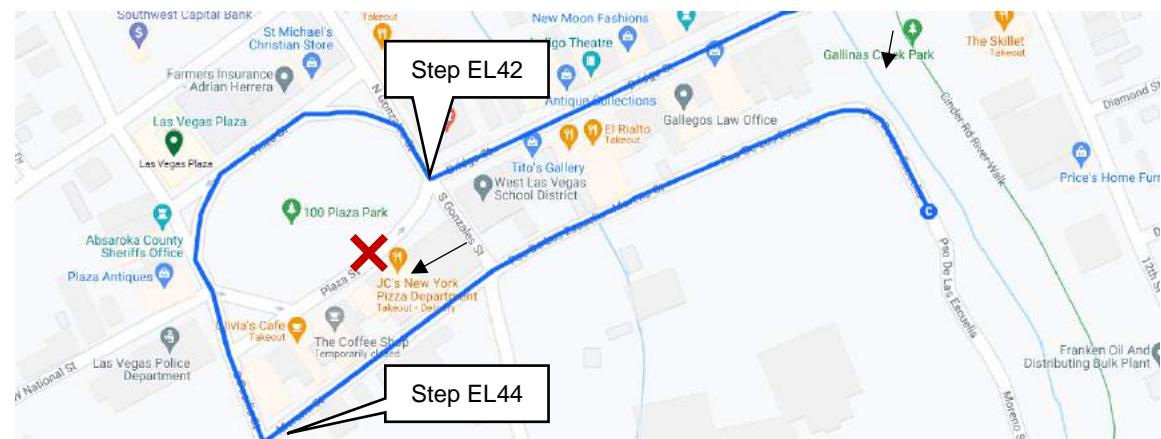
LAS VEGAS OPTIONAL LOOP



Last ~2 miles



Arrival at Las Vegas Stage Point



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 26	16.80	0.40		CR A3 on right				
EL 27	20.70	3.90			1	55	paved	
EL 28	22.20	1.50		Storrie Lake State Park on right	2	55	paved	
EL 29	23.50	1.30			2	50		
EL 30	24.70	1.20		Las Vegas City Limit	2	40	curb	
EL 31	25.00	0.30	CONTINUE STRAIGHT on 7th St	SL Legion Dr, Walmart on right	2	40	curb	
EL 32	25.20	0.20		SL Mountain View Dr	2			
EL 33	25.90	0.70		SL for NM-329/Mills Ave, lose right lane after light, Sonic on corner	1			food
EL 34	26.10	0.20		Stop Sign (All-Way) for Friedman Ave	1	20		
EL 35	26.30	0.20		Stop Sign (All-Way) for Baca Ave		20		
EL 36	26.40	0.10		Stop Sign (All-Way) Washington St				
EL 37	26.60	0.20	TURN RIGHT at SL onto National Ave	Follow Santa Fe Trail sign	1			
EL 38	26.70	0.10		SL for 8th St				
EL 39	26.90	0.20		11th St.				
EL 40	26.95	0.05		SL for 12th St				
EL 41	27.00	0.05	CONTINUE STRAIGHT on Bridge St	Bridge over River Walk & Santa Fe Trail sign	1	15		
EL 42	27.10	0.10	TURN RIGHT on Gonzales St to follow one-way loop half way around Las Vegas Plaza to Pacific St	Note: South side of Plaza will be closed later in the afternoon for the concert	1	15		
EL 43	27.30	0.20	CONTINUE STRAIGHT on Pacific St					
EL 44	27.35	0.05	TURN LEFT at STOP SIGN onto Moreno St					
EL 45	27.40	0.05		Stop Sign for Gonzales St	1			
EL 46	27.50	0.10	TURN RIGHT at STOP SIGN to follow Pso De Las Escuelis		1			
EL 47	27.60	0.10	TURN RIGHT into stage stop at West Las Vegas High School	Follow stagepoint crew instructions				

STAGE 3

2021 AMERICAN SOLAR CHALLENGE

Las Vegas, NM – Santa Fe, NM – Las Vegas, NM
August 7

Time Zone Mountain Time (24 Hour Format)

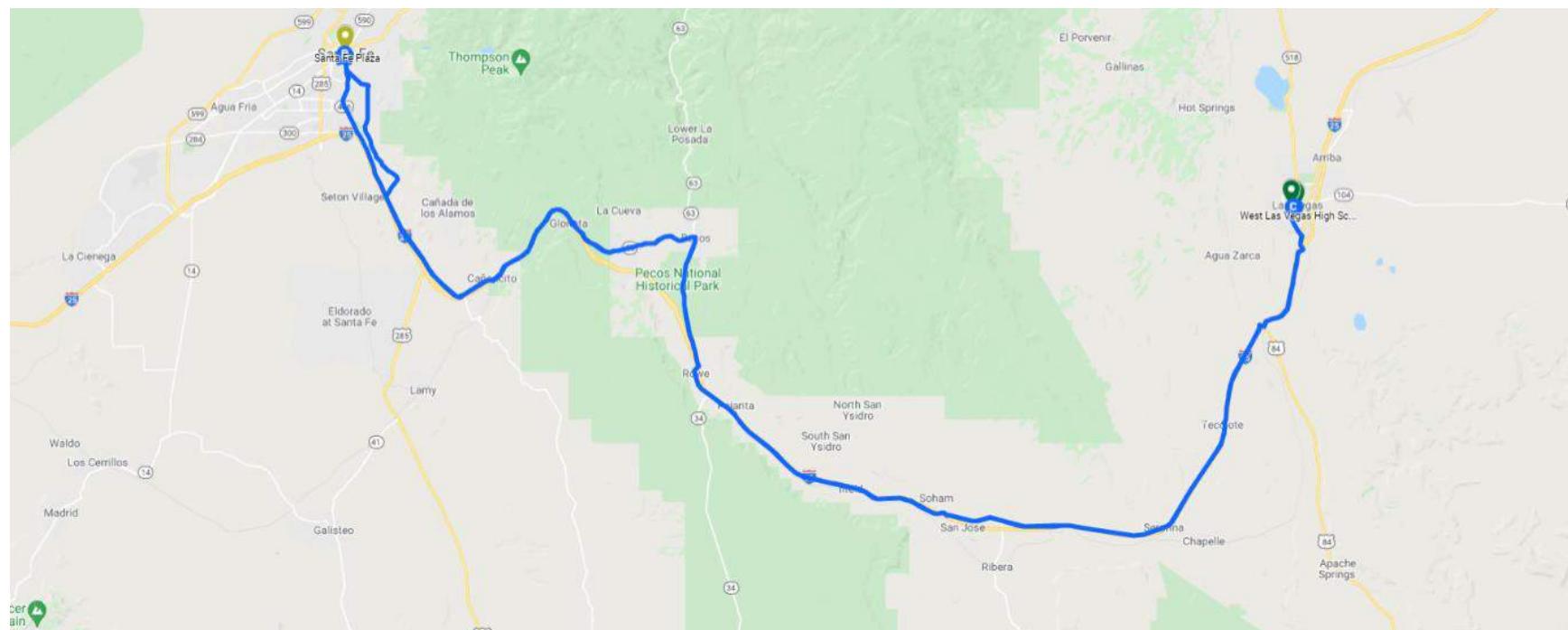
Stage Start West Las Vegas High School
179 Bridge St, Las Vegas, NM 87701

Nominal Start Time 9:00, August 7

Stage Finish Las Vegas Plaza
230 Plaza St, Las Vegas, NM 87701

Nominal Finish Time 15:00, August 7

STAGE 3 ROUTE OVERVIEW



Segment F**Base Leg F**

Las Vegas, NM – Santa Fe, NM – Las Vegas, NM

139.7 miles

STAGE 3

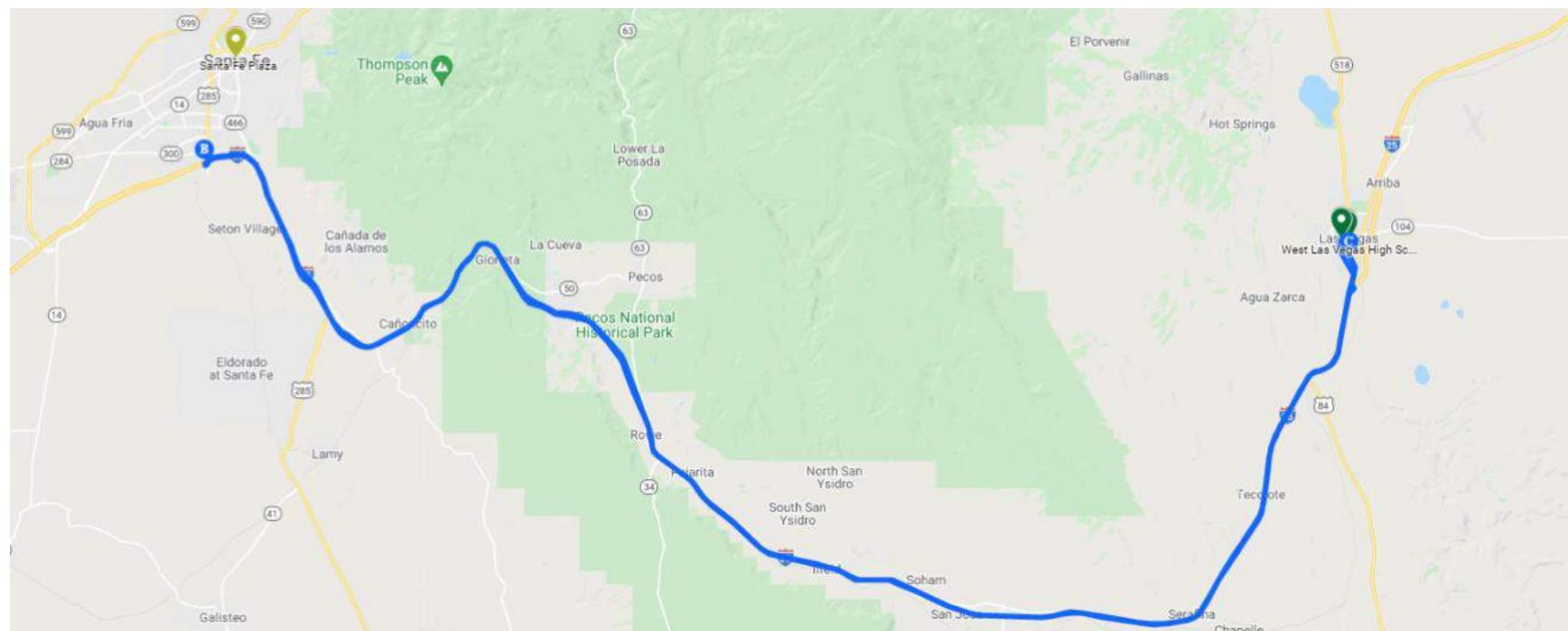
SEGMENT F

AMERICAN SOLAR CHALLENGE 2021

Las Vegas, NM – Santa Fe, NM – Las Vegas, NM

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Please consider if your truck & trailer and other vehicles that would normally follow the support vehicle route need to make the trip to Santa Fe. Given narrow streets in the downtown Santa Fe area near the Santa Fe Plaza, we do NOT advise extra vehicles congesting the area.

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	Head south on Moreno St/Pso De Las Escuelis toward Socorro St	
272 ft	Continue onto Paseo De Las Escuelas St	
0.34 mi	Turn left onto S Pacific St	
0.70 mi	Turn right onto I-25BL/S Grand Ave Continue to follow I-25BL	
0.58 mi	Take the ramp onto I-25 S	
61.0 mi	Take exit 282B for US-84 N/St.Francis Dr toward US-285 N/Santa Fe Plaza	
0.48 mi	Continue onto US-285 N/US-84 W/S St Francis Dr/US Hwy 285 N	
1,243 ft	Turn left onto Sawmill Rd	
Waiting Spot	On Sawmill Rd, there are a couple of gas stations and food options (Speedway, Conoco, Wendy's, Church's Chicken)	Suggest waiting in this area until you are ready to head back to Las Vegas
	Head north on Sawmill Rd & Turn right onto US-84 E/S St Francis Dr/US Hwy 285 S	
0.59 mi	Slight right to merge onto I-25 N toward Las Vegas	
40.8 mi	Keep left to stay on I-25 N	
20.6 mi	Take exit 343 toward NM-283/I-25 BUS/NM-329/Las Vegas	
0.30 mi	Turn left onto I-25BL	Joins solar car route
0.58 mi	Turn left onto New Mexico Ave	
1.17 mi	Turn right onto Moreno St	Departs solar car route
0.52 mi	Arrive at West Las Vegas High School on right	

Approx. 128 miles (1 hr, 57 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

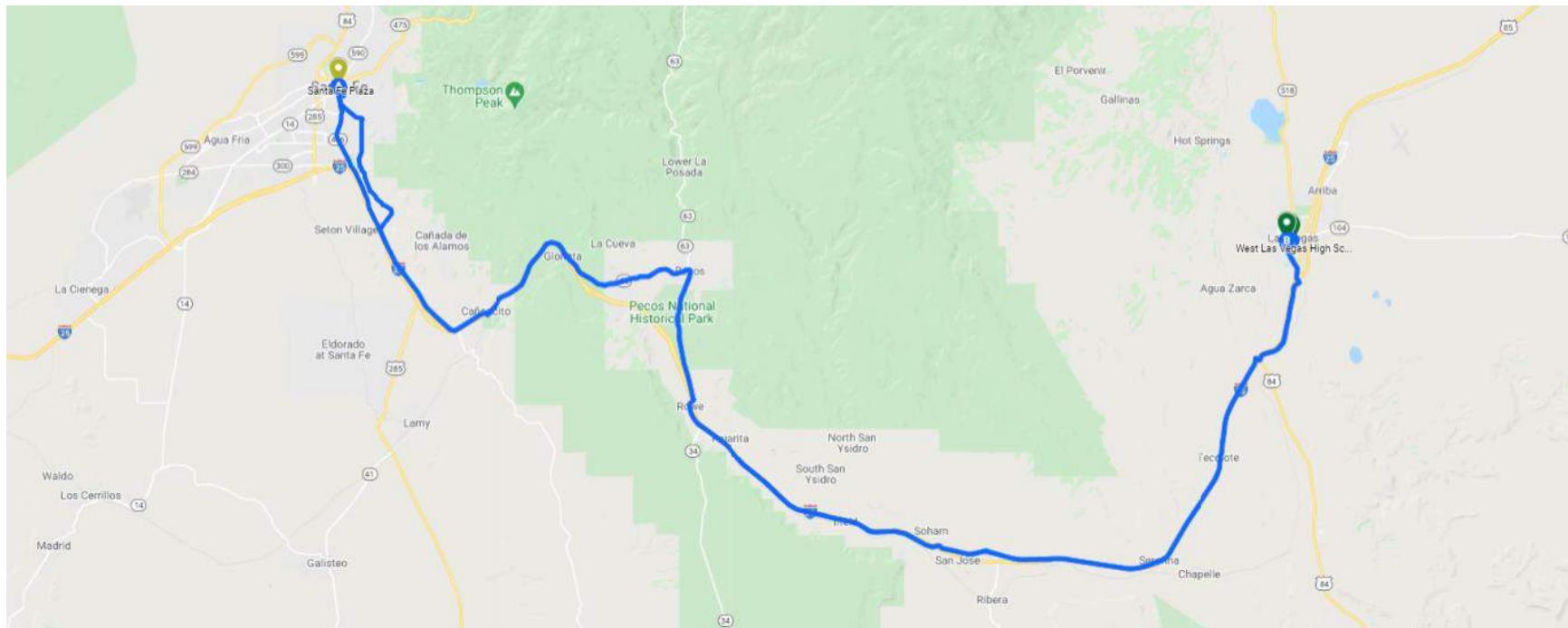


West Las Vegas High School – Las Vegas, NM – Stage Start



SOLAR CAR ROUTE OVERVIEW

LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM



LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM

BASE LEG F

STAGE START:

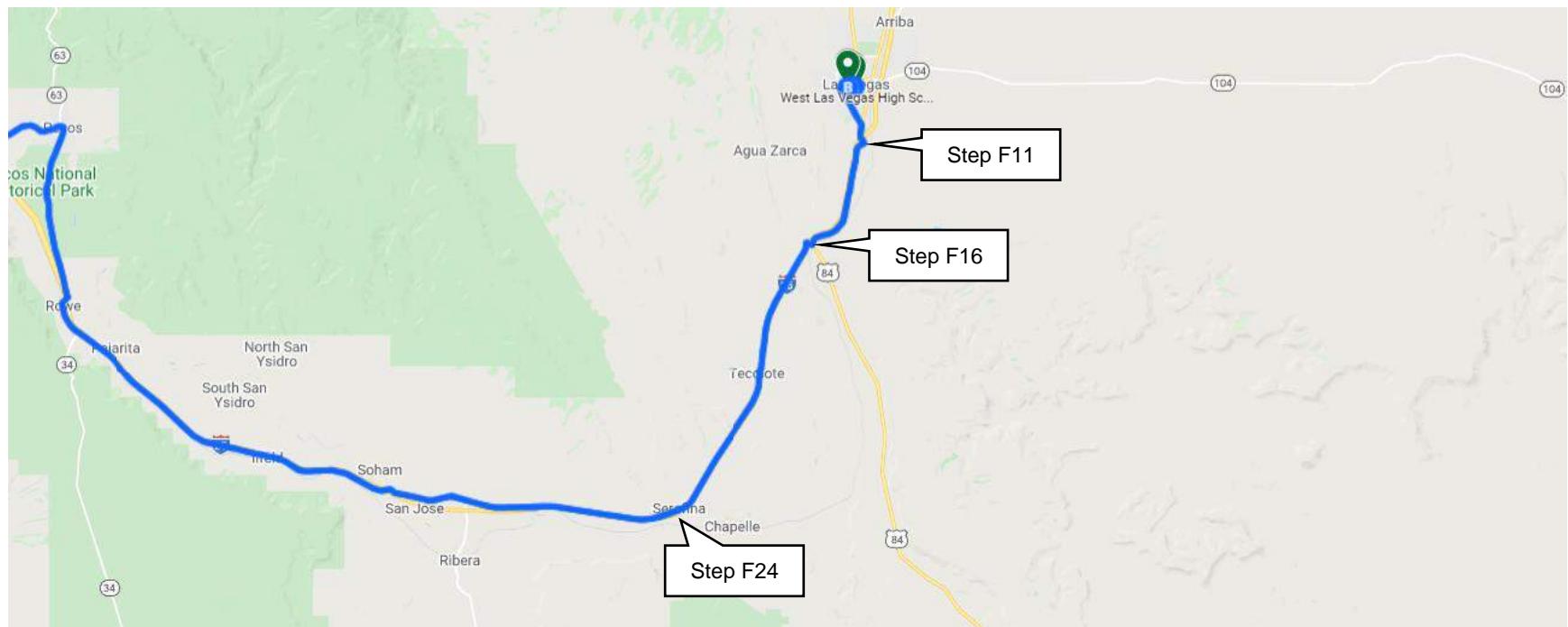
West Las Vegas High School
179 Bridge St, Las Vegas, NM 87701

FINISH:

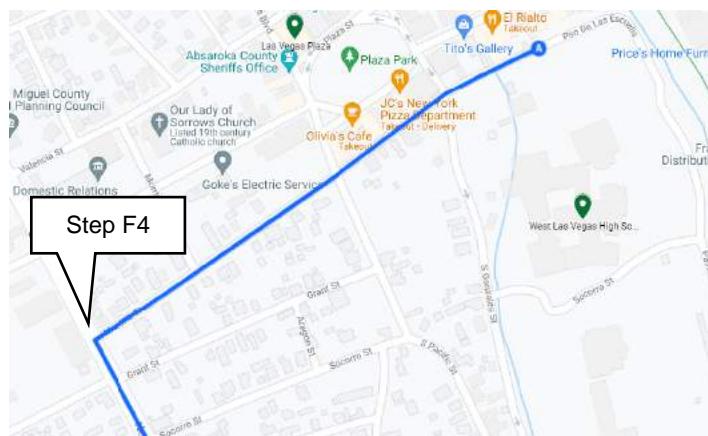
Las Vegas Plaza
230 Plaza St, Las Vegas, NM 87701



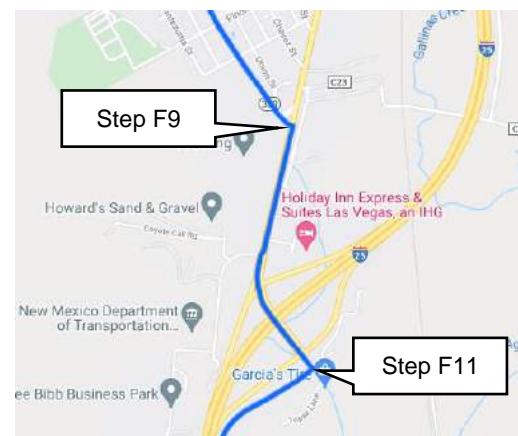
LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM



Steps F1-F4



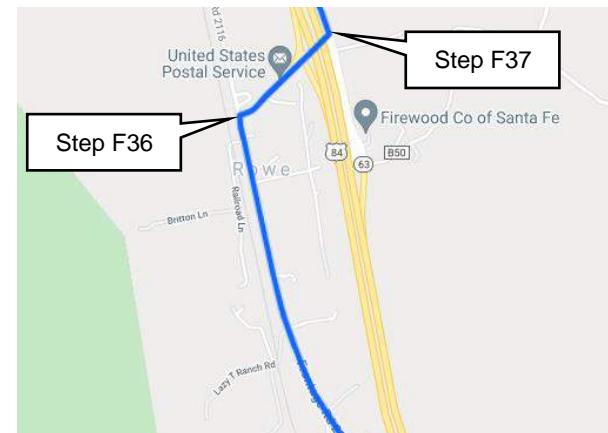
Steps F9-F11



Steps F16-F18

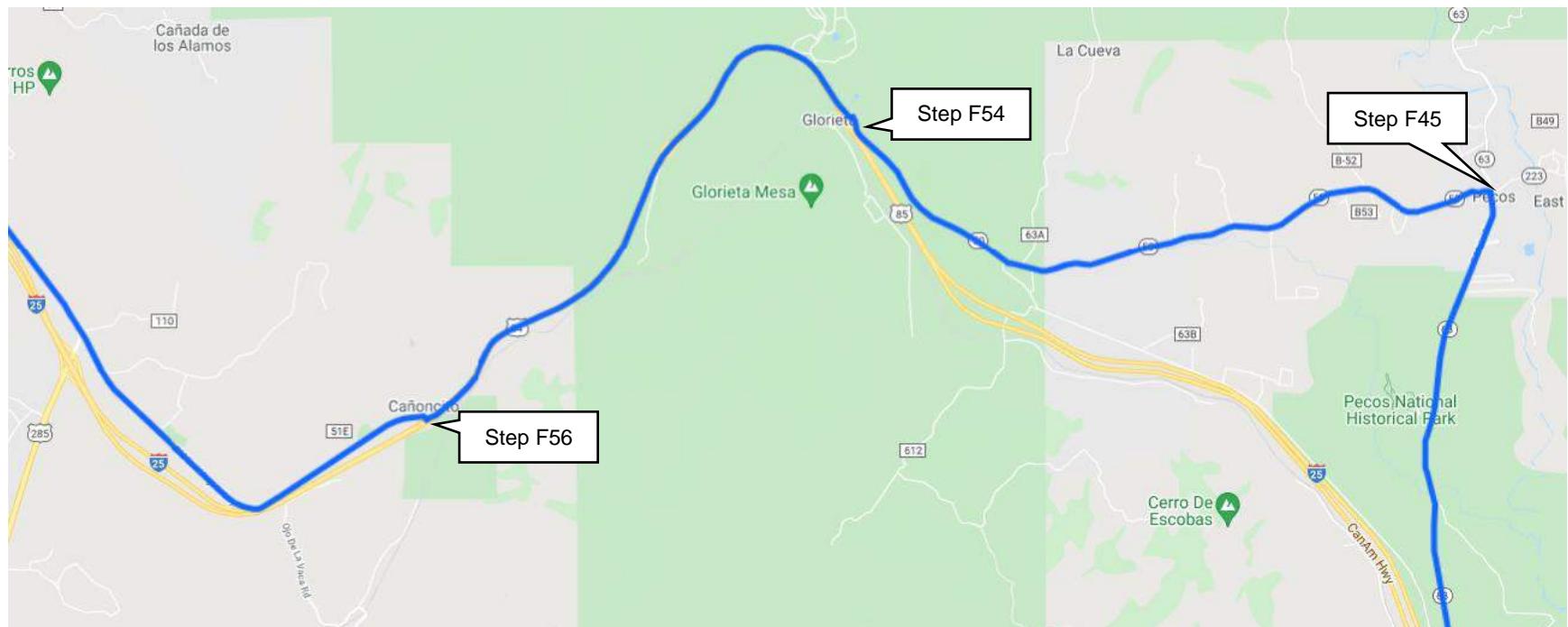


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 1	0.00		TURN LEFT onto Moreno St	Leaving High School parking lot				
F 2	0.05	0.05		Stop Sign (All-Way) for Gonzales St				
F 3	0.10	0.05		Stop Sign (All-Way) for South Pacific St	1	15		
F 4	0.30	0.20	TURN LEFT at STOP SIGN onto New Mexico Ave/NM-329 South	CAUTION: cross traffic does not stop!	1	30	paved	
F 5	0.50	0.20		Valley St				
F 6	0.80	0.30		Sapello St				
F 7	1.00	0.20		Alamo St	1	30	paved	
F 8	1.20	0.20		Pinon St				
F 9	1.50	0.30	TURN RIGHT at STOP SIGN onto Grand Ave / US-85 / Business I-25		2	45	paved	
F 10	2.00	0.50		Cross over I-25 (Exit 343)				
F 11	2.10	0.10	TURN RIGHT onto Frontage Rd (follow Santa Fe Trail sign)	Sign for Mineral Hill, San Geronimo, & Camp Blue Haven	1	45	paved	
F 12	2.60	0.50				55		
F 13	3.00	0.40		NM-283				
F 14	3.80	0.80		Avenida Villa bridge over I-25	1	55	paved	
F 15	5.60	1.80			1	45	paved	
F 16	6.20	0.60	TURN RIGHT at Jct US-84 to cross over I-25	Note: US-84 South is to the left; cattle guard after turn				
F 17	6.30	0.10		Cross over I-25 (Exit 339)				
F 18	6.40	0.10	TURN LEFT at STOP SIGN onto Frontage Rd 2116	Cattle guard before Stop Sign, Cross traffic does not stop, Speedway on corner with Subway	1	55	grass	fuel, food
F 19	7.40	1.00		La Manga Trl to right				
F 20	8.50	1.10		Cedar Hill Rd on left				
F 21	9.90	1.40		Mile Marker 30				
F 22	10.80	0.90		Stop Sign for Camino Del Leon/ Tecolote, access to I-25 (Exit 335)				
F 23	14.30	3.50		Mile Marker 25				
F 24	16.10	1.80		Access to I-25 (Exit 330) on left	1	55	grass	

LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM**Step F27****Steps F31-F32****Steps F36-F37**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 25	20.50	4.40		Dead Horse Ranch on right				
F 26	20.90	0.40		Imus Ranch Rd on left				
F 27	23.10	2.20	If bridge is still out ahead: TURN LEFT onto NM-3, take I-25 South to Exit 319, TURN LEFT at stop sign to cross over I-25 (resume at step F32)	NM-3, access to I-25 (Exit 323) Note for T&T: Old Sunshine Gas Station Parking Area on other side of I-25				
F 28	24.80	1.70		Pecos River Bridge				
F 29	24.90	0.10		Buffalo Ln, San Jose Post Office turnoff on left				
F 30	25.60	0.70		Rest Area on right				fuel
F 31	25.70	0.10		Cattle guard				
F 32	25.80	0.10	CONTINUE STRAIGHT/curve left on Frontage Rd, cross over I-25	Cross over I-25 (Exit 319), sign for North-South San Ysidro, cattle guard	1			
F 33	30.50	4.70		North-South San Ysidro turnoff	1	55		
F 34	37.10	6.60		NM-34 on left				
F 35	38.00	0.90		Entering Rowe		40		
F 36	38.40	0.40	TURN RIGHT onto Frontage Rd to cross under I-25 (Exit 307)	*** Pay Attention! No Stop Sign! *** Cattle guard, follow sign for Park & Ride, Santa Fe Trail sign		55		
F 37	38.70	0.30	TURN LEFT at STOP SIGN onto NM-63	Cattle guard, Follow signs towards Santa Fe & Pecos National Historical Park	1	55	paved	
F 38	38.90	0.20		Park & Ride on right				
F 39	39.20	0.30		Caballo Ln on right				
F 40	41.60	2.40				45		
F 41	41.70	0.10		Ranger Ln, Kozloski Trading Post on Santa Fe Trail on right				
F 42	42.40	0.70		Pecos National Historic Park entrance (Peach Drive) on left	1	45	mixed	
F 43	43.40	1.00		Entering Pecos	1	35		
F 44	44.00	0.60				25		
F 45	44.30	0.30	TURN LEFT at STOP SIGN (All-Way) for NM-50	Dollar General on corner	1	30	paved	fuel

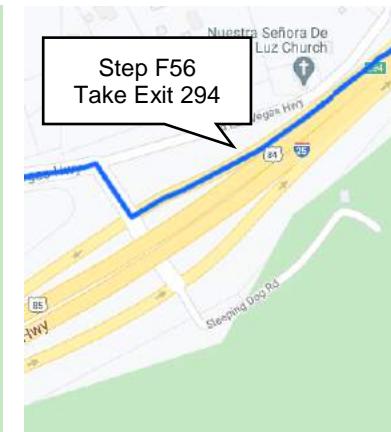
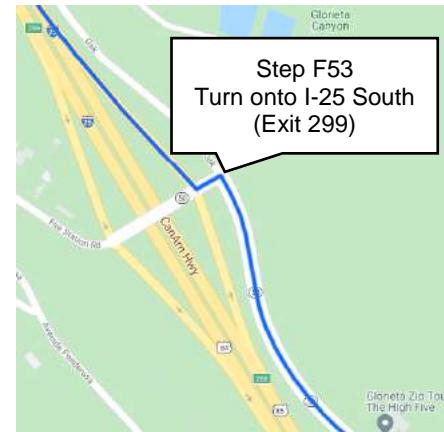
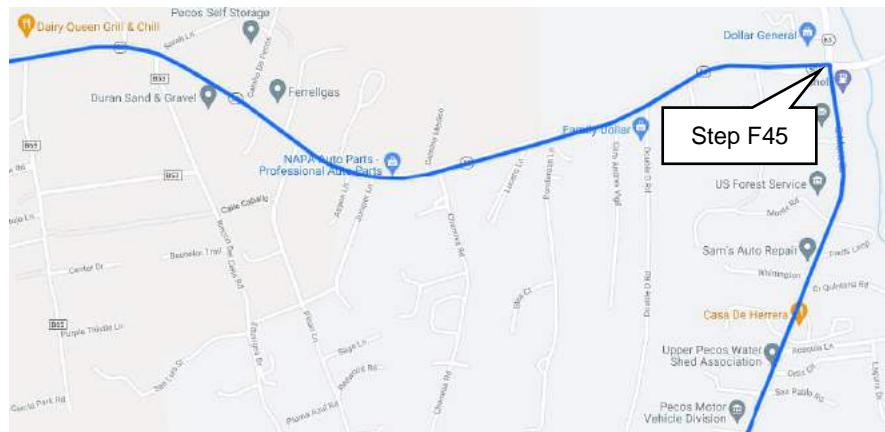
LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM



Steps F45-F48

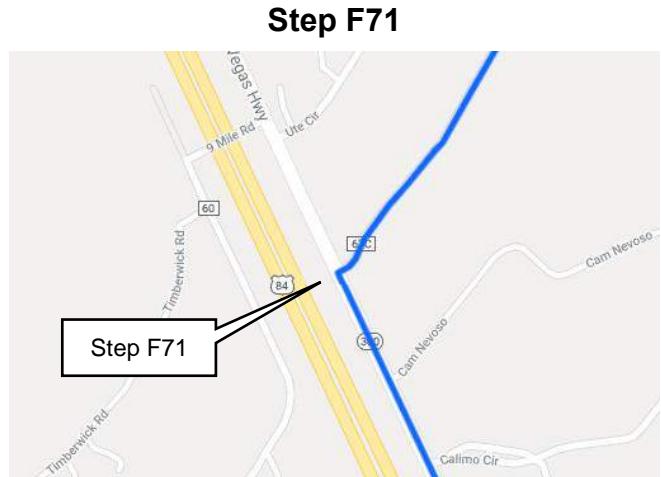
Steps F53-F54

Steps F56-F58



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 46	44.60	0.30		Double D Rd, Family Dollar on left		45		
F 47	44.90	0.30		Pecos Valley Medical Center turnoff	1	45	paved	
F 48	45.50	0.60		Dairy Queen on right	1	45	paved	food
F 49	46.00	0.50		NAPA Auto Parts on right				fuel
F 50	46.90	0.90		Santa Fe County Line	1	45	paved	
F 51	48.50	1.60		Historical marker on right, gravel pulloff	1	45	none	
F 52	49.40	0.90		"Continued" Historical Marker on left	1	45		
F 53	50.20	0.80	TURN LEFT (no stop sign!) for I-25 access & IMMEDIATE RIGHT onto ramp for I-25 (Exit 299)	*** Pay Attention! No Stop Sign! *** Large pulloff area on left				
F 54	50.40	0.20	Merge onto I-25	Using I-25 through Glorieta Pass	2	75	paved	
F 55	52.20	1.80		Exit 297 for Valencia				
F 56	55.20	3.00	TAKE EXIT 294 for Canoncito At Apache Canyon					
F 57	55.30	0.10	TURN RIGHT at STOP SIGN onto Sleeping Dog Rd	SFT sign				
F 58	55.40	0.10	TURN LEFT at STOP SIGN for Frontage Rd / Old Las Vegas Hwy	Cattle guard, historical marker on left corner		50		
F 59	55.90	0.50		KOA on right				
F 60	56.50	0.60		cattle guard	1			
F 61	56.70	0.20		Ojo De La Vaca Rd on left, passing lane for uphill	2	50		
F 62	57.30	0.60		passing lane ends	1		gravel	
F 63	58.00	0.70		Rancheros De Santa Fe Campground on right	1			
F 64	58.10	0.10		Large gravel pulloff on right	1			
F 65	58.60	0.50				40		
F 66	58.90	0.30	CONTINUE STRAIGHT on Frontage Rd/NM-300	Stop Sign (All-Way)/Flashing Red light for US-285, access for I-25 (Exit 290)				food
F 67	60.10	1.20		Winding Rd on right				
F 68	60.40	0.30		Woods Lp on right (again in 0.2 miles)				

LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM

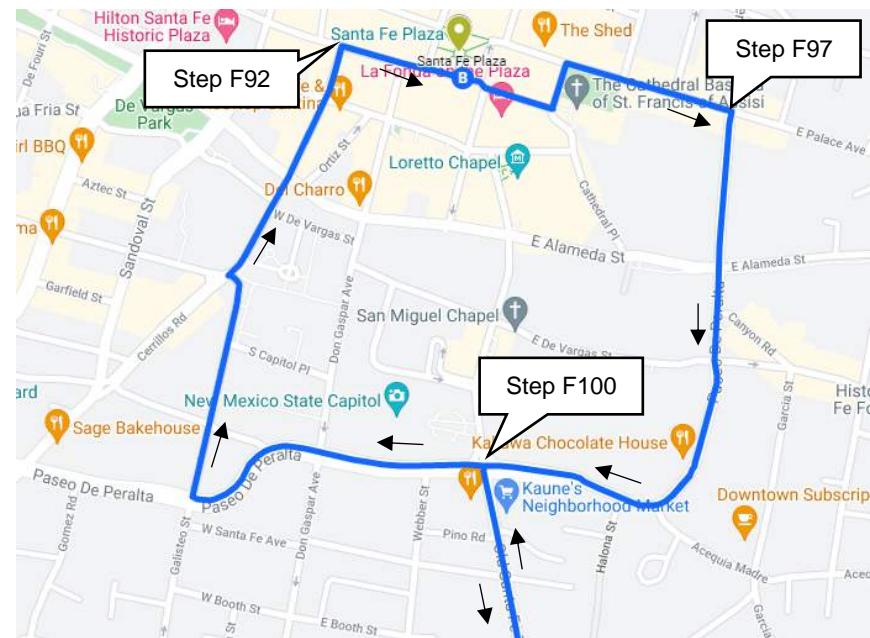


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 69	60.90	0.50		Bob Cat Trail on right				
F 70	61.90	1.00		Tres Cerros Rd on right				
F 71	62.30	0.40	TURN RIGHT onto Two Trails Rd/ CR 67C	*** Pay Attention! No Stop Sign! *** Santa Fe Trail sign after turn	1	25	none	
F 72	63.20	0.90	TURN LEFT at STOP SIGN for Old Santa Fe Rd	Santa Fe Trail sign	1	35	none	
F 73	63.60	0.40		La Barbaria Rd on right		35		
F 74	64.30	0.70		Coyote Mountain Rd on right, gravel pulloff on right				
F 75	64.60	0.30		Ravens Ridge Rd on right				
F 76	64.80	0.20		EI Gancho Way on left, I-25 access	1	35		
F 77	65.00	0.20		Star Vista Rd/CR 67H on right, Desert Academy on left				
F 78	65.80	0.80		Santa Fe City Limit	1		paved	
F 79	66.00	0.20		Teddy Bear Trail on right				
F 80	66.80	0.80		Stop Sign for Zia Rd	1	35	paved	
F 81	67.50	0.70		Sun Mountain Dr on left				
F 82	67.90	0.40		Stop Sign for Camino Del Monte Sol on right, National Park Service Santa Fe Trail Building on left	1	35	narrow	
F 83	68.40	0.50		Stop Sign (All-Way) for Camino Corrales, Amelia White Park on corner		30		
F 84	68.80	0.40				25		
F 85	68.90	0.10	KEEP RIGHT at Old Pecos Trail	Stop Sign to cont. on Santa Fe Trail				
F 86	69.30	0.40	TURN LEFT at SL onto Paseo De Peralta	Do not follow Santa Fe Trail Original Route sign straight ahead	2		curb	
F 87	69.60	0.30	TURN RIGHT at SL onto Galisteo St	One-way street	1		curb	
F 88	69.70	0.10		Manhattan Ave				
F 89	69.90	0.20	TURN RIGHT at STOP SIGN to stay on Galisteo St					
F 90	70.00	0.10		Stop Sign for Alameda St				
F 91	70.10	0.10		Stop Sign for Water St				

LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM



Santa Fe Detail



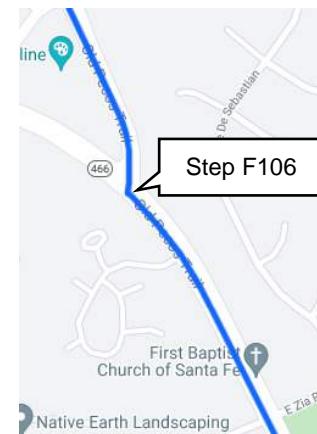
Steps F93-F94 (Plaza Detail)



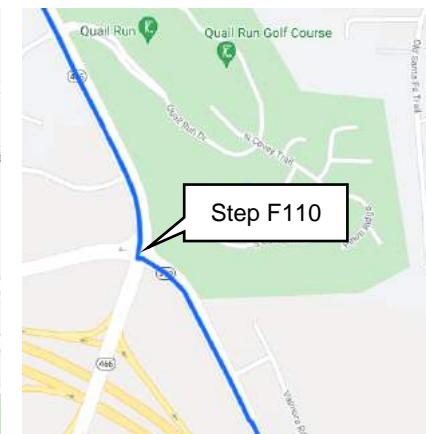
Step F101



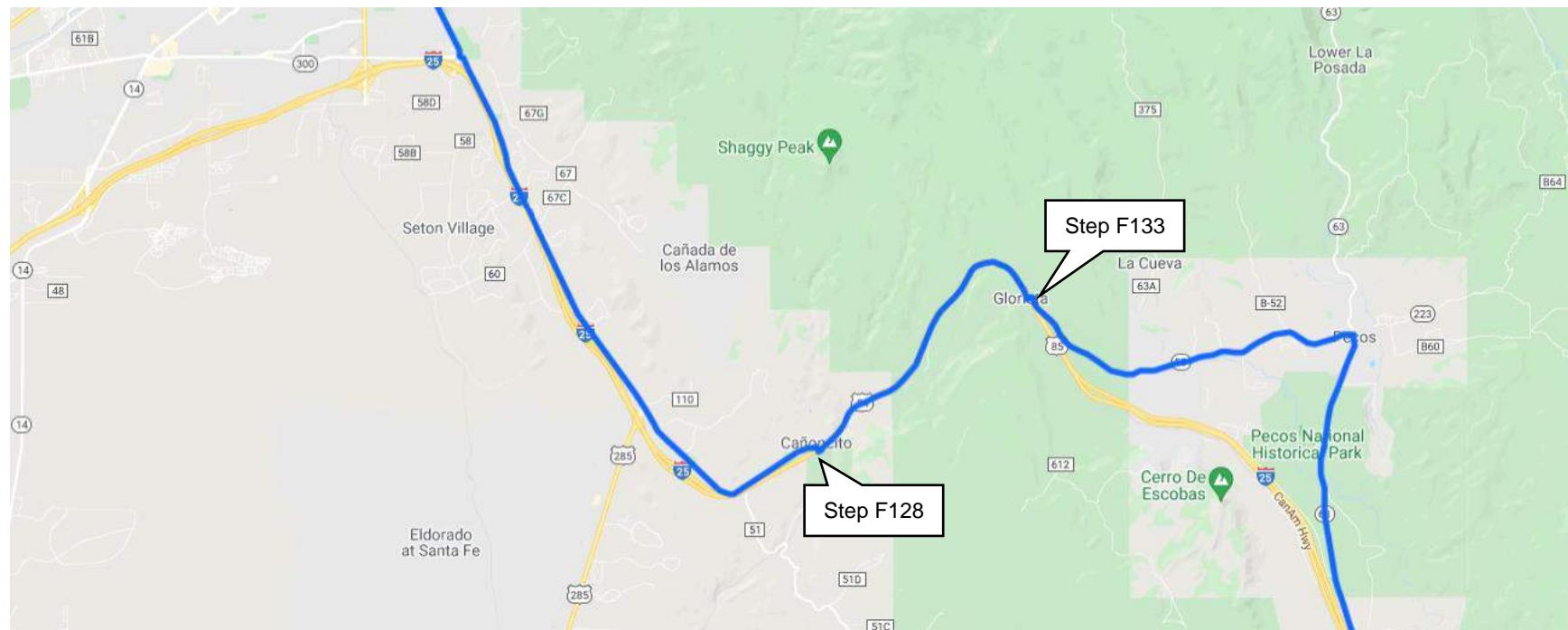
Step F106



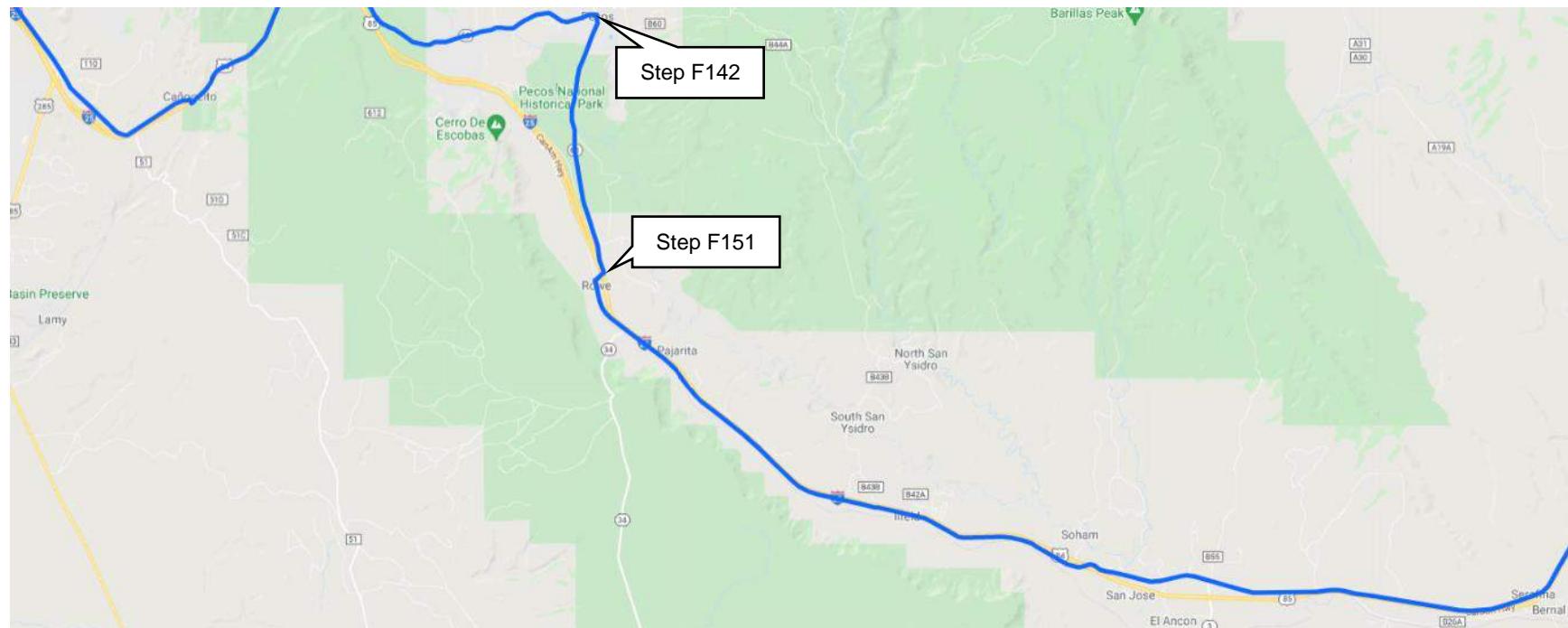
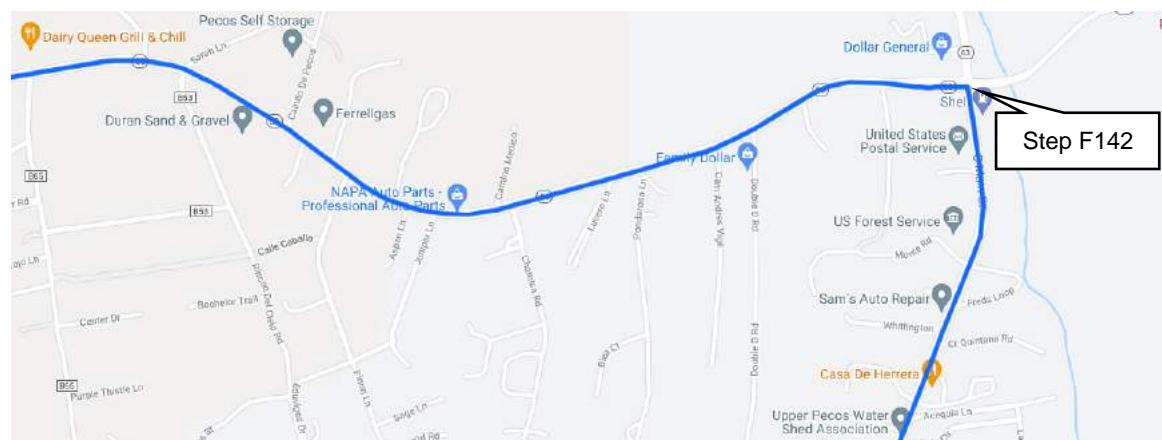
Step F110



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 92	70.15	0.05	TURN RIGHT at STOP SIGN for San Francisco St	T-intersection, The Original Trading Post				
F 93	70.20	0.05		Stop Sign for Lincoln Ave				
F 94	70.30	0.10		SL for Old Santa Fe Trail, Santa Fe Plaza on left, official end of the Santa Fe Trail				
F 95	70.40	0.10	TURN LEFT at STOP SIGN onto Cathedral Pl	T-intersection, cathedral straight ahead	1	20		
F 96	70.45	0.05	TURN RIGHT at STOP SIGN onto Palace Ave		1	20	parking	
F 97	70.60	0.15	TURN RIGHT at SL onto Paseo De Peralta		2		curb	
F 98	70.70	0.10		SL for Alameda St	2	25		
F 99	70.80	0.10		De Vargas St				
F 100	71.20	0.40	TURN LEFT at SL onto Old Santa Fe Trail	Headed back to Las Vegas (Pecos Trail to Santa Fe Trail)				
F 101	71.50	0.30	STAY RIGHT to follow Old Pecos Trail		1		curb	
F 102	71.70	0.20		Coronado Rd		35		
F 103	71.90	0.20		SL for Cordova Rd/Armenta St/Museum Hill	1	35	narrow, sidewalk	
F 104	72.40	0.50		SL for San Mateo Rd/Camino Lejo				
F 105	72.90	0.50		SL for Arroyo Chamiso Rd	2	35		
F 106	73.10	0.20	CONTINUE STRAIGHT (BEND LEFT) at SL to continue on Old Pecos Trail	Joins with NM-466			bike lane	
F 107	73.40	0.30		Zia Rd	2	45	paved	
F 108	73.90	0.50				40	curb	
F 109	74.00	0.10		Quail Run Golf Course on left		40	paved	
F 110	74.30	0.30	TURN LEFT at SL onto Old Las Vegas Hwy (also NM-300, but no sign)	Do NOT cross I-25	1	40	paved	
F 111	75.40	1.10		SL for El Gancho Way		40		
F 112	75.80	0.40		CR 58/Arroyo Hondo Rd to right				
F 113	76.00	0.20				50		

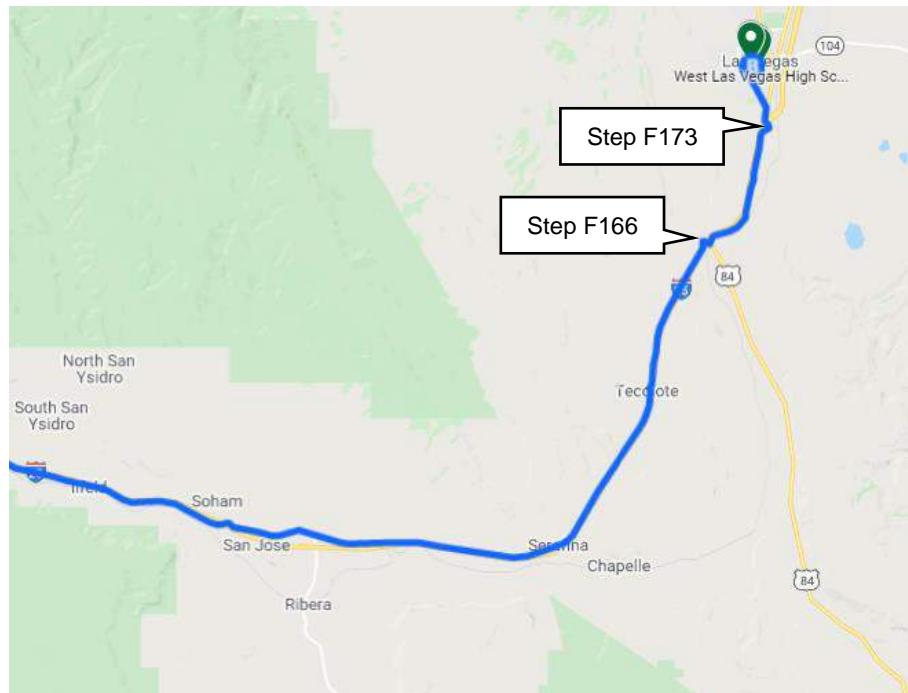
LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM**Steps F127-F129****Steps F131-F133**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 114	76.40	0.40		Large gravel pulloff on right				
F 115	76.80	0.40		To CR 58/Seton Village Rd to right, historical marker on right				
F 116	77.10	0.30		To CR 60 on right, gravel pulloff				
F 117	77.30	0.20		Two Trails Rd/CR 67C on left				
F 118	77.80	0.50		Tres Cerros Rd on left	1	50	paved	
F 119	78.70	0.90		Bob Cat Crossing on right				
F 120	80.30	1.60		Historical marker (Route 66) on right		40		
F 121	80.70	0.40	CONTINUE STRAIGHT on Frontage Rd/NM-300	Stop Sign (All-Way) & Flashing Red light for US-285, access for I-25 (Exit 290), pulloff gravel on right	1	40	dirt	food
F 122	81.80	1.10		Rancheros De Santa Fe Campground on left	1		dirt	
F 123	82.80	1.00				50		
F 124	83.00	0.20		Ojo De La Vaca Rd on right				
F 125	83.20	0.20		Cattle guard				
F 126	83.80	0.60		KOA on left				
F 127	84.30	0.50	TURN RIGHT onto Sleeping Dog Rd, cross under I-25	Cattle guard, historical marker on right, dead end ahead				
F 128	84.40	0.10	TURN LEFT onto ramp for I-25 North					
F 129	84.50	0.10	MERGE onto I-25 North (Exit 294)	Using I-25 through Glorieta Pass	2	75	paved	
F 130	87.20	2.70		Exit 297 for Valencia				
F 131	89.40	2.20	TAKE EXIT 299	Santa Fe Trail sign				
F 132	89.50	0.10	TURN LEFT at STOP SIGN onto NM-50 toward Pecos, cross I-25					
F 133	89.60	0.10	TURN RIGHT to follow NM-50/ Frontage Rd	Large gravel pulloff on right	1	45	none	
F 134	90.40	0.80		Glorieta Pass Battlefield marker on right	1	45		
F 135	91.30	0.90		Gravel pulloff on left			gravel	
F 136	91.40	0.10		CR 63 on left/La Joya Rd on right	1		paved	
F 137	92.90	1.50		San Miguel County Line	1	45	paved	

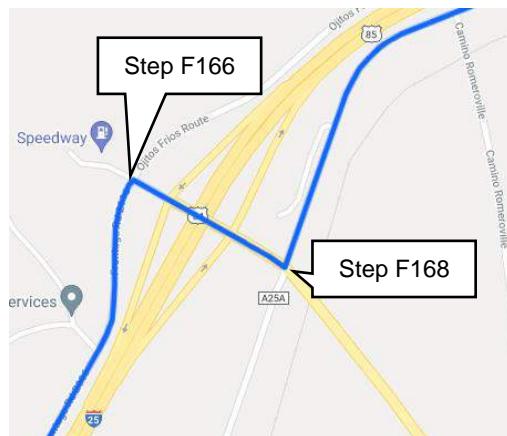
LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM**Steps F139-F143****Steps F151-F152**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 138	93.80	0.90		NAPA Auto Parts on left, Philips 66 on right				fuel
F 139	94.30	0.50		Dairy Queen on left, CR B65 on right				food
F 140	94.90	0.60		Entering Pecos , Pecos Valley Medical Center turnoff on left				
F 141	95.20	0.30		Family Dollar on right	1	30	paved	
F 142	95.50	0.30	TURN RIGHT at STOP SIGN (All-Way) onto NM-63 toward Rowe	Dollar General on corner, follow SFT sign	1	25	gravel	fuel
F 143	95.70	0.20		Pecos Station National Forest on right	1	25	gravel	
F 144	96.30	0.60		Look for pink fencing with a blue lightning symbol along this part of the route; part of Forked Lightning Ranch		35		
F 145	96.40	0.10				45		
F 146	97.40	1.00		Pecos National Historic Park entrance	1	45	gravel	
F 147	98.10	0.70		Ranger Ln, Kozloski Trading Post on Santa Fe Trail on left	1	55	gravel	
F 148	99.80	1.70		Entering Rowe , sign on left				
F 149	100.50	0.70		Caballo Ln on left				
F 150	100.90	0.40		Park & Ride on left				
F 151	101.10	0.20	TURN RIGHT for underpass toward Las Vegas	Cross under I-25 (Exit 307), cattle guard, SFT sign				
F 152	101.40	0.30	TURN LEFT at STOP SIGN onto Frontage 2116 Rd/NM-34/North-South San Ysidro/Old Las Vegas Hwy	SFT sign after turn	1	55	gravel	
F 153	102.60	1.20		Jct NM-34 on right				
F 154	109.30	6.70		North-South San Ysidro turnoff				
F 155	114.00	4.70	CONTINUE STRAIGHT on Frontage Rd 2116 If bridge is out: Take ramp onto I-25 South to Exit 323, TURN LEFT onto NM-3, TURN RIGHT onto Frontage Rd 2116 (resume at step F158)	Cross over I-25 (Exit 319), sign toward San Juan & San Jose, cattle guard				
F 156	114.10	0.10		Rest Area on left				fuel

LAS VEGAS, NM – SANTA FE, NM – LAS VEGAS, NM



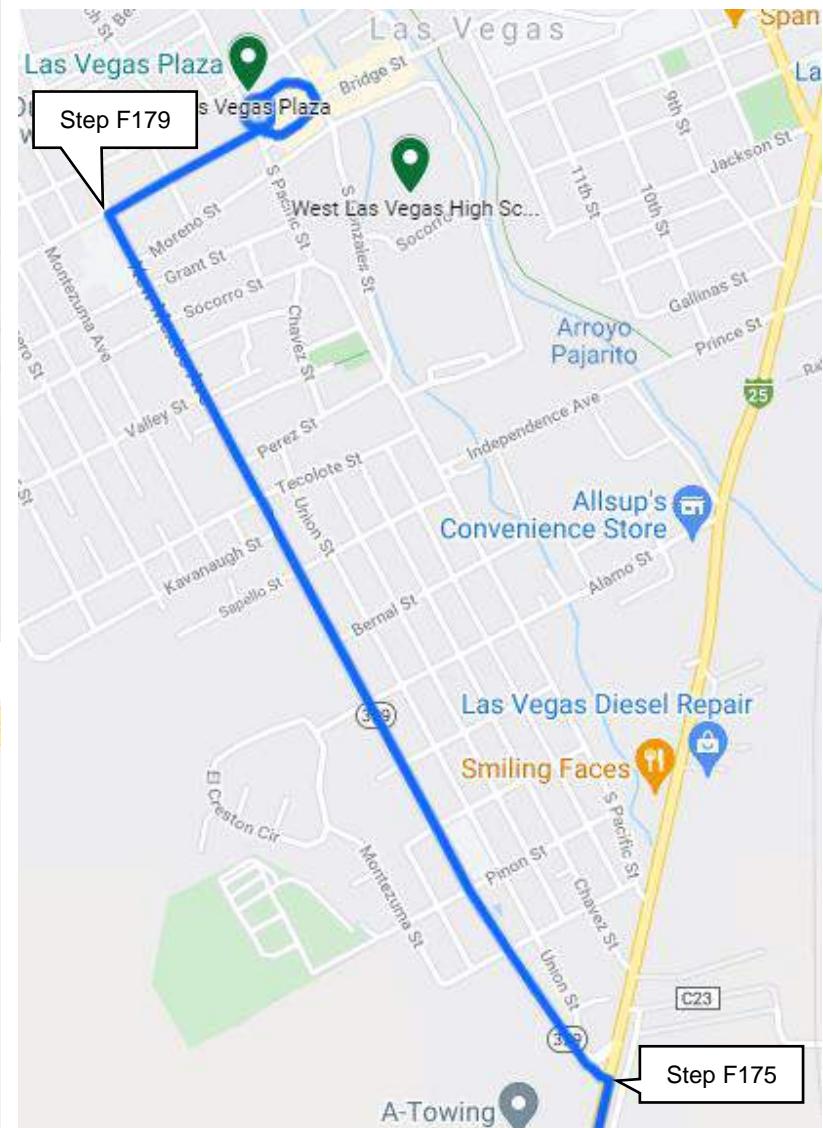
Steps F166-F168



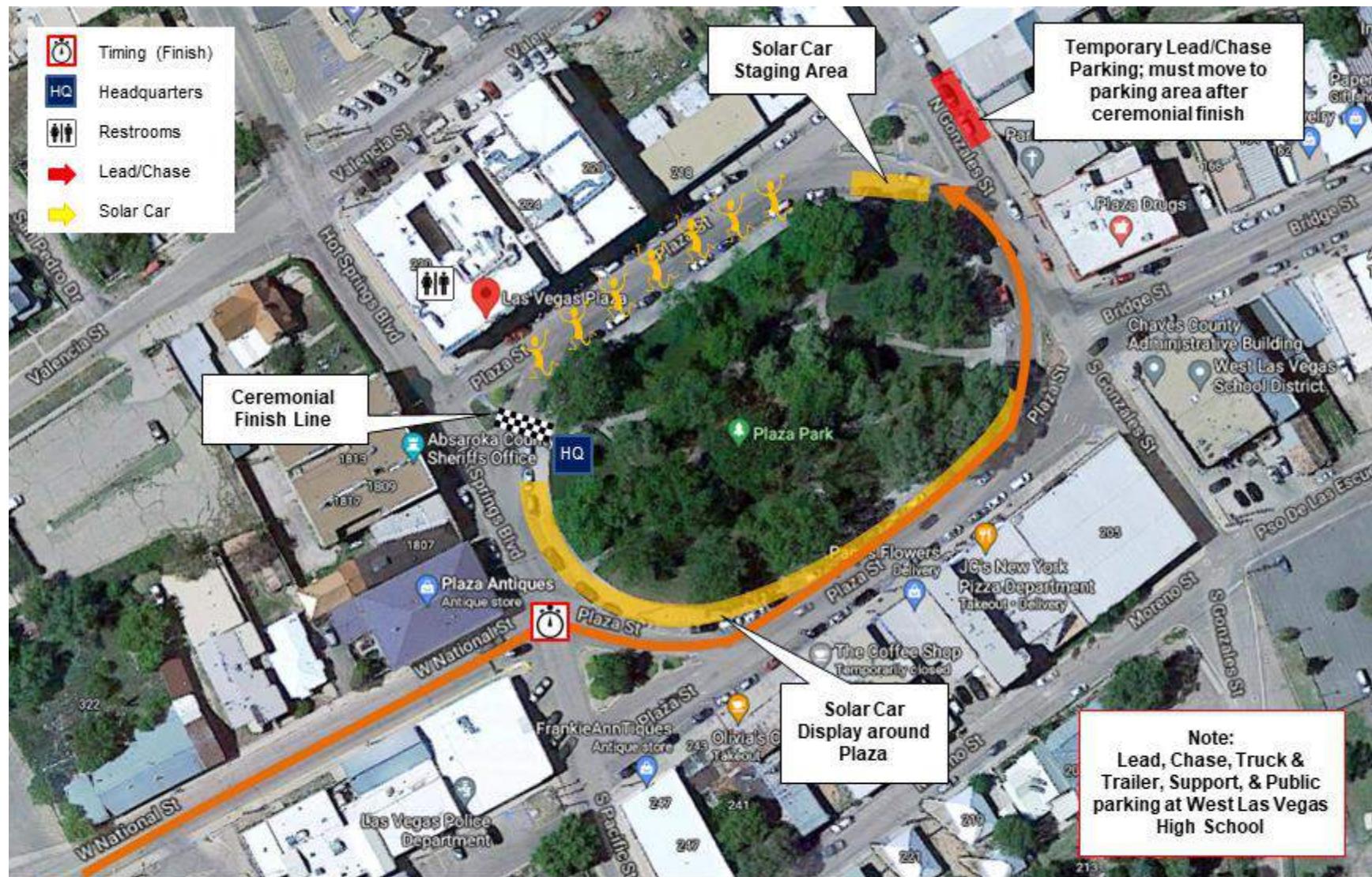
Steps F173-F174



Steps F175-F180 (Finish in Las Vegas, NM)



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 157	115.00	0.90		Pecos River bridge				
F 158	116.70	1.70		NM-3, access to I-25 (Exit 323) Old Sunshine Gas Station Parking Area on other side of I-25	1	55		
F 159	118.90	2.20		Imus Ranch Rd on right				
F 160	123.40	4.50		Large gravel pull off on right				
F 161	123.60	0.20		Access to I-25 (Exit 330) on right				
F 162	125.90	2.30		Mile Marker 26				
F 163	128.90	3.00		Stop Sign for Camino Del Leon, access to I-25 (Exit 335)				
F 164	129.70	0.80		Mile Marker 30				
F 165	131.30	1.60		Cedar Hill Rd for underpass	1	55	none	
F 166	133.40	2.10	TURN RIGHT onto US-84 toward I-25, toward Las Vegas & Santa Rosa	Cattle guard after turn, Speedway on corner				fuel, food
F 167	133.50	0.10		Cross over I-25, SFT sign, cattle guard				
F 168	133.60	0.10	TURN LEFT onto Frontage Rd 2137 toward Romeroville	Historical marker on corner, Santa Fe Trail sign	1	45	paved	
F 169	135.50	1.90			1	55	paved	
F 170	136.00	0.50		Avenida Villa bridge over I-25				
F 171	136.80	0.80		NM-283 on left, Camp Blue Haven	1		paved	
F 172	137.20	0.40				45		
F 173	137.60	0.40	TURN LEFT at STOP SIGN onto Grand Ave to cross under I-25	Also CanAm Hwy	2		paved	
F 174	137.80	0.20		Cross under I-25 (Exit 343)		45		
F 175	138.20	0.40	TURN LEFT onto NM-329 / New Mexico Ave use left turn lane	Use left turn lane, "Luna Community College"	1	30	paved	
F 176	138.70	0.50		Alamo St				
F 177	139.10	0.40		Tecolote St				
F 178	139.40	0.30		Moreno St				
F 179	139.50	0.10	TURN RIGHT onto National Ave	"Hist Old Town Plaza"				
F 180	139.70	0.20	CONTINUE STRAIGHT at STOP SIGN for Plaza St to CIRCLE Plaza	Watch for finish line crew instructions Congrats on finishing ASC 2021!	1	15	parking	



Las Vegas Plaza – Las Vegas, NM – Finish Line

